COMPUTING RESEARCH **N E W S**

Computing Research Association
Uniting Industry, Academia and Government to
Advance Computing Research and Change the World.

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CRN At-A-Glance

2018 Conference at Snowbird Preliminary Agenda

The biennial CRA Conference at Snowbird is the flagship invitation-only conference for the leadership of the North American computing research community.

This year at Snowbird:

The 2018 CRA Conference at Snowbird is co-chaired by Kim Hazelwood, Facebook, and Vivek Sarkar, Georgia Tech. Plenary sessions will feature former CRA Board Chair David Patterson, Professor Emeritus, University of California-Berkeley and Google, and Raquel Urtasun, University of Toronto and Uber Advanced Technologies Group. A major focus of the conference will be diversity in computing, and additional parallel session topics include faculty recruiting, department rankings, and new models for industrial research in CS.

2018 Nominees for CRA Board; Petition Nominees Sought

CRA is pleased to announce the 2018 Election Committee's slate of nominees for the CRA Board. There are eight academic openings and two industry openings. CRA also encourages nominations by petition. Petition nominations must be signed by the Designated Voting Representatives of **at least five Constituent Member Organizations** that are current in dues payment.

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CRA CONFERENCE 2018 at snowbird

CRA Computing Research Association

July 16-18

The biennial CRA Conference at Snowbird is the flagship invitation-only conference for the leadership of the North American computing research community.

Invitees:

Computer science, computer engineering, and information technology department chairs; assistant, associate, and prospective chairs; directors of graduate or undergraduate education; directors of industry or government research labs/centers; and professional society or government leaders in computing.

The conference site:

The Snowbird Resort is located in the Wasatch Mountains about 30 miles from Salt Lake City. A top-rated ski resort in the winter, off-season at Snowbird offers hiking amidst beautiful scenery.

This year at Snowbird:

The 2018 CRA Conference at Snowbird is co-chaired by Kim Hazelwood, Facebook, and Vivek Sarkar, Georgia Tech. Plenary sessions will feature former CRA Board Chair David Patterson, Professor Emeritus, University of California-Berkeley and Google, and Raquel Urtasun, University of Toronto and Uber Advanced Technologies Group.

A major focus of the conference will be diversity in computing, and additional parallel session topics include faculty recruiting, department rankings, and new models for industrial research in CS. The meeting will also feature a view into computing and Washington from Peter Harsha, CRA's Director of Government Affairs, and short after-dinner talks on computing research futures. Jane Stout, CRA's Director of the Center for Evaluating the Research Pipeline and Betsy Bizot, CRA Director of Statistics and Evaluation will co-chair a session titled "Using CRA Data to Improve Your Department and Inform Decision Making."

A preliminary program is below. It will be updated on the CRA website as additional information becomes available. There will be several hours of free time for networking, mingling, hiking, or hanging out and enjoying the gorgeous environment.

Online registration will open on the CRA website in April 2018.

Please note, this year the conference will start on a Monday, which is revised somewhat from past schedules which started on Sundays.

In addition to the conference, a workshop for new department chairs will be co-chaired by Greg Hager, Johns Hopkins University, and Andrew Sears, Penn State, on July 16.

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Monday, July 16

3:00 – 5:45 pm	**New Chairs Workshop**
	This workshop will give new CS department chairs some of the skills needed to lead their organizations and work with deans, provosts, and advisory boards - the stuff they never told you in graduate school.
6:00 – 7:00 pm	**Welcome Reception**
7:00 – 9:00 pm	**Dinner/Plenary Session**

Tuesday, July 17

8:30 am – 10:00 am	**Plenary Session**
10:30 am – noon	**Parallel Tracks**
Noon – 1:30 pm	**Lunch**
1:30 – 3:00 pm	**Parallel Tracks**
3:30 – 5:00 pm	**Networking Activities**
6:30 – 9:00 pm	**Dinner**
	After Dinner Research Talks
	Organized by the Computing Community Consortium

Wednesday, July 18

8:30 – 10:00 am	**Plenary Session**
10:30 – Noon	**Parallel Tracks**
Noon – 1:30 pm	**Lunch**
1:30 – 3:00 pm	**Parallel Tracks**
3:30 – 5:00 pm	**Policy Session (Chair: Peter Harsha, CRA)**
5:30 – 6:30 pm	**TBD**

Parallel Session Topics

- Increasing Diversity in Computing is Easier Than You Think: 10 Small Steps that Make a Big Difference
  Chair: Mary Hall, University of Utah

- Diversity in CS Research Leadership
  Co-chairs: Kim Hazelwood, Facebook, and Margaret Martonosi, Princeton University

- Booming Faculty: Opportunities and Challenges
  Chair: Laura Haas, University of Massachusetts – Amherst

- New Models for Industrial Research in CS
  Co-chairs: Brent Hailpern, IBM and Joe Sventek, University of Oregon

- Growing a CS Department into a School/College of Computing
  Chair: Chris Johnson, University of Utah

- Department Rankings
  Chair: H.V. Jagadish, University of Michigan

- Improving Faculty Recruiting in the Computing Community
  Co-chairs: Shashi Shekhar, University of Minnesota and Josep Torrellas, University of Illinois, Urbana-Champaign

- Using CRA Data to Improve Your Department and Inform Decision Making
  Co-chairs: Jane Stout, CRA and Betsy Bizot, CRA

- Recruiting, Retaining, and Advancing Teaching Faculty
  Co-chairs: Dan Grossman, University of Washington and Penny Rheingans, University of Maryland Baltimore County

2018 Nominees for CRA Board; Petition Nominees Sought

CRA

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CRA is pleased to announce the 2018 Election Committee's slate of nominees for the CRA Board:

Academic (8 openings)

James Allan, UMass

Henrik Christensen, UC San Diego

Stephanie Forrest, Arizona State University*

Michael Franklin, University of Chicago*

Ayanna Howard, Georgia Tech

Chad Jenkins, University of Michigan

Ran Libeskind-Hadas, Harvey Mudd College

Greg Morrisett, Cornell University*

Keshav Pingali, University of Texas at Austin

Rachel Pottinger, University of British Columbia

William Regli, University of Maryland at College Park

Vivek Sarkar, Georgia Tech*

Industry (2 openings)

Maria Ebling, IBM Research

Kathryn McKinley, Google*

Chris Ramming, VMware

*Denotes current board members.

Petition Nominees Sought

The Computing Research Association seeks your help in suggesting nominations for its Board of Directors. We want individuals who have the time, energy and initiative to work on CRA issues on behalf of the entire CRA community. We have a working board, and all members are expected to be involved with community issues.

The CRA Elections Committee has recently announced its slate of nominees for a seat on the Board of Directors. CRA also encourages nominations by petition. Petition nominations must be signed by the Designated Voting Representatives of **at least five** Constituent Member Organizations that are current in dues payment.

A complete nomination package for petition candidates must be submitted here no later than **February 2, 2018.** Separately, each of the five supporters of the petition must send an e-mail to elections@cra.org simply stating their support for the petition candidate to run for a seat on the CRA Board of Directors.

Questions can be sent to elections@cra.org.

Important dates and events:

- On **February 9, 2018,** final ballots will be distributed to all CRA department chairs and lab directors. Each will have one vote for each open slot on the board.

- On **February 28, 2018,** completed ballots must be returned to CRA.

- In early March, the election results will be announced.

2018 Outstanding Undergraduate Researcher Award Winners

Congratulations to the recipients of the 2018 **Outstanding Undergraduate Researcher Award.** This year's nominees are a very impressive group. A number of them were commended for making significant contributions to more than one research project, several are authors or coauthors on multiple papers, others have made presentations at major conferences, and some have produced software artifacts that were in widespread use.

Many of nominees had been involved in successful summer research or internship programs, many had been teaching assistants, tutors, or mentors, and a number had significant involvement in community volunteer efforts.

CRA gratefully acknowledges the support of **Microsoft Research** and **Mitsubishi Electric Research Labs** (MERL), which sponsor the Outstanding Undergraduate Researcher Award program in alternate years. MERL is the sponsor of this year's awards.

A list of the winners, runners-up, finalists, and honorable mentions is below.

Selection Committee: Ran Libeskind-Hadas, Chair (Harvey Mudd College), Eric Aaron (Vassar College), Pieter Abbeel (UC Berkeley), Michela Becchi (North Carolina State University), Cristina Nita-Rotaru (Northeastern University), Margo Seltzer (Harvard University), and Brian Tjaden (Wellesley College).

Thank you to those who volunteered their time to serve on the selection committee for this award.

Award Winners

Joshua Brakensiek
Carnegie Mellon University

Joshua Brakensiek is a senior in the Mathematical Sciences Department at Carnegie Mellon University where he has participated in several projects in computational complexity theory including new results in constraint satisfaction, hardness of approximation, and codes robust to deletions. His work has resulted in publications in major conferences including the Symposium on Discrete Algorithms, APPROX, and RANDOM. He was a Putnam Fellow and was a member of the first place Putnam Team in 2016.

Ching-Yun "Chloe" Hsu
California Institute of Technology

Chloe Hsu is a senior at Caltech majoring in mathematics and computer science. Her research interests are in theoretical computer science as well as other areas at the intersection of computer science and mathematics. She learned about the "3SUM Conjecture" when she took a course in computational complexity theory in her freshman year and her subsequent research on that problem has led to important new results that were published the 42nd International Symposium on Mathematical Foundations of Computer Science in 2017. In addition, results of her research on the Discrete Fourier Transform were published in the Symposium on Discrete Algorithms in 2018. She has served as teaching assistant for numerous courses and as an English to Chinese translator for *Scientific American.*

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Education

Ashlie Martinez
University of Texas, Austin

Ashlie Martinez is a senior at the University of Texas at Austin where she is double-majoring in both electrical engineering and computer science. Her research is in the area of file systems and, specifically, in the CrashMonkey framework for testing the crash consistency of file systems. The results of her work were presented at the 9th USENIX Workshop on Hot Topics in Storage and File Systems in 2017. At UT Austin, she has served as a teaching assistant and has particularly enjoyed helping her peers learn about the hardware-software interface.

Richard Phillips
Haverford College

Richard Phillips is a senior computer science major at Haverford College where he has engaged in research in chemoinformatics and machine learning. In one project, he helped develop computational methods to find bio-inspired molecules that, ultimately, may lead to better organic batteries. In another research project, he made contributions to the field of active learning by defining a new measure of uncertainty bias and demonstrating its utility in practice. His work has led to a publication in the *Journal of Physical Chemistry* and at the Workshop on Human Interpretability in Machine Learning in 2017. He has served as an undergraduate teaching assistant and a member of a student advisory board at Haverford.

Runners Up

Noah Golowich
Harvard College

Noah Golowich is a junior majoring in both computer science and mathematics at Harvard University. His research spans both artificial intelligence and mathematical foundations of computer science including problems in multiple-facility location, graph theory, and others. His work has resulted in four publications in discrete mathematics and combinatorics journals, including one single-authored paper that resolved an open problem on linear homogeneous equations. He has served as a teaching assistant in several courses.

Sarah Hall-Swan
Tufts University

Sarah Hall-Swan is a senior at Tufts University where she is double-majoring in computer science and biology. Her research has explored problems in network clustering of protein-protein interaction networks as well as computational molecular docking. A paper based on her biological networks research was accepted for publication in *BMC Systems Biology.* She has worked at the Tufts Center for Engineering and Education Outreach and is an active leader in several campus organizations.

Daniel Johnson
Harvey Mudd College

Daniel Johnson is a senior at Harvey Mudd College where he is completing the joint major in computer science and mathematics. His research is in the area of neural networks where he has explored applications to graph transformation as well as music generation. His work has resulted in two single-authored papers in the 2017 International Conference on Learning Representations and in the 2017 International Conference on Evolutionary and Biologically Inspired Music and Art as well as two joint-authored papers. He has served as teaching assistant for several courses and is the project manager for a senior capstone project.
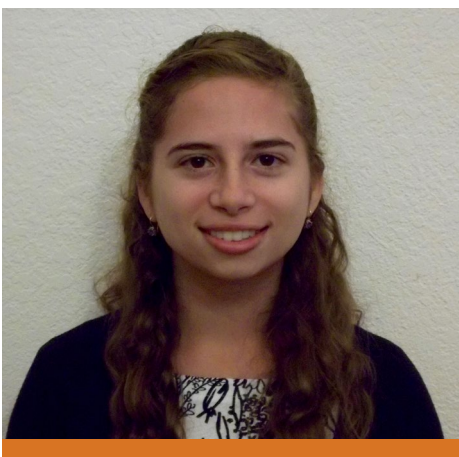
Julia Len
University of California, San Diego

Julie Len is a senior computer science major at UC San Diego where she has engaged in research in applied cryptography and, specifically, in the development of cryptographic hash functions that provide provable security guarantees. She presented her work on collision resistant hashing at the 2017 ACM Computer and Communications Security Conference. Julia has served as teaching assistant for multiple courses. She is the former president of the UCSD Scholars Society and is active in the Association for Women in Computing.

Finalists

Sheila Alemany: Florida International University

Eric Deng: University of Southern California

Raymond Fok: University of Michigan

Dan Hendrycks: University of Chicago

William Kuszmaul: Stanford University

Margaret Lawson: Dartmouth College

Hillary Lia: Queen's University

Peter Manohar: University of California, Berkeley

Ahmad Shikib Mehri: University of British Columbia

Raphael Meyer: Purdue University

Alannah Oleson: Oregon State University

Srishti Palani: Mount Holyoke College

Kimberly Ruth: University of Washington

Garrett Thomas: University of California, Berkeley

Honorable Mentions

Rachel Alexander: University of Southern California

Mark Bryan: Cornell University

Kevin Chow: University of British Columbia

Mike D'Arcy: Cleveland State University

Anh Dao: University of Arizona

Rohan Doshi: Princeton University

Kiya Govek: Carleton College

Daniel Gratzer: Carnegie Mellon University

Isaac Griswold-Steiner: Texas Tech University

Jordan Haack: Harvey Mudd College

Maryam Hedayati: Carleton College

Xuan Huang: Bryn Mawr College

Preston Jiang: University of Washington

Siddharth Karamcheti: Brown University

Raunak Kumar: University of British Columbia

Rae Lasko: Carnegie Mellon University

Vivian Li: University of Rochester

Max Li: University of Pennsylvania

Siqi Liu: University of California, Berkeley

Kelly Mack: University of Illinois, Urbana-Champaign

Liza Mansbach: Cornell University

Daniel Minahan: University of Michigan

Ian Neal: University of Texas, Austin

Brandon Neth: University of Arizona

Scott Neville: University of Utah

Dana Nguyen: University of California Santa Barbara

Ke Ni: University of California, Santa Barbara

Deric Pang: University of Washington

Alex Pissinou Makki: University of California, Berkeley

Sorawee Porncharoenwase: Brown University

Nicholas Rioux: Northeastern University

Andy Rosales: University of California, Santa Barbara

Eric Rosen: Brown University

Nolan Shah: University of Houston

Zheyuan Shi: Swarthmore College

Yiliang Shi: University of Utah

Yousuf Soliman: Carnegie Mellon University

Jacob (Jalex) Stark: California Institute of Technology

Clayton Thomas: Purdue University

Jamie Tucker-Foltz: Amherst College

Jacob Van Geffen: University of Texas, Austin

Nick Walker: University of Texas, Austin

Kathleen Watson: University of Minnesota

Yucheng Yin: University of Michigan

Tianhe Yu: University of California, Berkeley

Valerie Zhao: Wellesley College

Ruiqi Zhong: Columbia University

CRA-E Professional Development Workshop for Teaching-Track Faculty

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SIGCSE Pre-Symposium Event
Wednesday, February 21, 2018
8:30 AM – 4:00 PM

Organizers: Susanne Hambrusch (Purdue), Lori Pollock (U. of Delaware), Penny Rheingans (UMBC), Mark Sherriff (U. of Virginia)

CS for All

SIGCSE 2018
Baltimore

Now accepting applications to the workshop!

Click here for more information and a tentative agenda.

Computer Science departments have experienced significant course enrollment increases and many Ph.D. granting departments have introduced or increased the number of academic teaching faculty positions that have academic rank. The one-day workshop held in association with SIGCSE will focus on the professional development of teaching track faculty (professor of practice, instructor, clinical faculty, lecturer, etc.) in Ph.D. granting departments.

The workshop fills a crucial need as many Ph.D. granting departments have limited experience on how to mentor, evaluate, and promote this new type of teaching faculty. The sessions will focus on how teaching faculty can strategize their

involvement in departmental as well as research activities, different forms of scholarship and leadership activities to pursue, and best practices for success, promotion, and advancement. Academic leaders involved in supervising and evaluating teaching track faculty will provide their perspective and insights.

Limited travel funds are available for participants. The deadline to receive full consideration for financial travel support is **Thursday, January 25, 2018.** After January 25, applications will be accepted until capacity is reached.

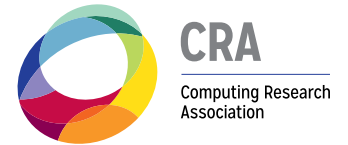Funding for the workshop is generously provided by Google.

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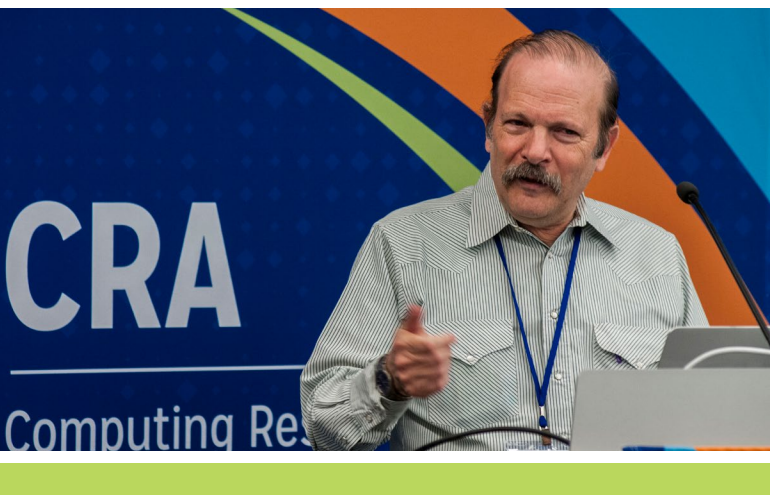Computing Research Association
Education
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Videos Now Available from the CRA Summit on Technology and Jobs

On December 12, 2017, CRA hosted the Summit on Technology and Jobs in Washington, DC. The day was packed with sessions that explored issues surrounding the impact of artificial intelligence and the future of work. Leading technologists, economists, and policy experts offered their views on where technology is headed and what its impact may be, and on policy issues raised by these projections and possible policy responses. The Summit was hosted by CRA, as part of its mission to engage the computing research community to provide trusted, non-partisan input to policy thinkers and makers.

The event was livestreamed and videos from the event are now available here. Slides are also available for download on the agenda page.

A few highlights from the workshop include:

Workshop Organizer Moshe Vardi, Rice University

"We [computing researchers] created this technology; we must accept our social responsibility. We may not come up with the solutions, but we should be participating in the discussions."

Deborah Wince-Smith, US Council on Competitiveness

"This is a time of unprecedented disruption as intelligent systems interface with humans, change their jobs and change the patterns of societies."

Andrew McAfee, Massachusetts Institute of Technology

"What is going on with technology, jobs, and wages? The most important phenomenon about the American workforce is that we're seeing a polarization or 'hollowing out' of the workforce."

Mark Campbell, Cornell University

Autonomous Vehicle Technology has potential for great impact on the economy. How our lives will change, what jobs will be impacted. When will this happen? The main question on everyone's mind is how quickly will this technology mature and be adopted.

Vint Cerf, Google

Cerf shared his thoughts on topics brought up during earlier sessions. He shared his areas of concern surrounding the increase in use of autonomous software including bugs in the software, safety, security, and privacy.

Edward Felton, Princeton University

Felton worked on several Obama administration White House policy initiatives in AI that resulted in two reports - "Preparing for the Future of Artificial Intelligence", and "Artificial Intelligence, Automation and the Economy."

The event was sponsored by:

Arnold & Porter Kay Scholer

Association for the Advancement of Artificial Intelligence

Association for Computing Machinery

Association for Computing Machinery — SIGAI

Computing Research Association

Future of Life Institute

Google

IEEE Computer Society

Microsoft Research

Rice University (Baker Institute, Kennedy Institute, Kinder Institute, Scientia)

Two Sigma

USENIX Association

VMWare

Policy Panel

Moderator: Kristin Sharp, New America
Kevin Carey, New America
Mark Minevich, Council of Competitiveness
Mark Muro, Brookings Institute
Beth Mynatt, Georgia Institute of Technology
James Pethokoukis, American Enterprise Institute

Sharp moderated a panel of speakers who provided a variety of perspectives and discussed issues surrounding education, trends on how AI is changing our lifestyle, the design of AI systems, and more.

Check out all 17 of the videos here.

CRA Taulbee Survey Update

Salary Survey

The salary report is available for academic units that completed the salary section of the survey. Taulbee users in responding academic units can download the report from within the CRA Taulbee system at https://taulbee.cra.org. Early access to this report is a benefit of responding to the survey; if you believe you should have access and do not, email survey@cra.org. The salary results will be publicly reported in the full Taulbee report in the May 2018 CRN.

Main Survey

The deadline for the main Taulbee Survey, collecting student and faculty data, has been extended to January 16 for all academic units. Individual short extensions are possible if it will help your ability to complete the survey; email survey@cra.org to request an extension. The value of the Taulbee Survey comes from its traditionally high response rate. Please complete the survey if possible.

Teaching Position Survey

The one-time teaching position survey is collecting information about academic unit policies and practices concerning full time teaching faculty who are not on the traditional tenure track. The due date is January 22. Results from this survey will be made public later this year.

We appreciate the time and effort that goes into survey responses, and thank all the participating departments.

Meeting the Needs of Individuals with Disabilities – Accessible Computing

By Andrew Sears, CRA Board Member, The Pennsylvania State University

My research focuses on empowering individuals through computing technologies that more effectively match their knowledge, experience, abilities, and goals. The majority of my recent research has focused on accessibility-related issues. Working with my students, our research employs a broad definition of accessibility, seeking to empower individuals with disabilities as well as individuals who may experience challenges due to the environment in which they are using computing technologies.

Our early research focused on the needs of individuals with physical disabilities that hindered their use of a keyboard and mouse. Through a series of studies involving individuals with high-level spinal cord injuries, usage patterns were identified as were opportunities to allow for more efficient and effective interactions. These early studies produced a pair of critical observations that produced more effective speech-based interactions and also provided guidance for much of our subsequent research.

Regarding the first observation: One argument used to motivate research on the needs of individuals with disabilities is that the resulting solutions may also prove useful for individuals experiencing temporary disabilities that impact the same functions. For example, the argument would be that solutions developed for individuals who are blind would also be useful for individuals who find themselves in a situation where they cannot view a screen. While these indirect benefits may occur, our research suggested that such assertions are not always justified. For example, our research demonstrated that individuals with physical disabilities that prevent them from using a keyboard and mouse developed different strategies than individuals who were temporarily prevented from using a keyboard and mouse when facing the same task. As a result, developing solutions that benefited one of these groups would not necessarily benefit the other. These results highlighted the importance of involving the intended users in accessibility-focused research as well as the need to be cautious when conjecturing about the generalizability of results produced through such research.

The second critical observation involved the use of error-prone technologies. We observed that speech-based interactions, which were originally supported, provided powerful but unreliable commands. When successful, these commands would enable users to quickly generate text and correct any errors that may occur. In reality, failure rates were such that cascading errors resulted in inefficient interactions and significant frustration. Two design strategies were identified, and subsequently validated, through additional studies. Productivity and satisfaction can be improved by providing more reliable but less powerful commands and by reducing the consequences when commands fail.

About the Author

Andrew Sears is a professor and dean of the College of Information Sciences and Technology at Penn State. Sears' research explores issues related to human-centered computing and has included projects that explored issues involving accessibility, mobile computing, speech recognition, and assessing an individual's cognitive status via normal daily interactions with information technologies. He currently serves on the editorial boards of ACM's *Transactions on Computer-Human Interaction*, ACM's *Transactions on Accessible Computing,* and the *International Journal of Human-Computer Studies.* He was named an ACM Distinguished Scientist in 2010, and currently serves on the board of directors of the Computing Research Association. He earned his Bachelor of Science degree in computer science from Rensselaer Polytechnic Institute and his Ph.D. in computer science with an emphasis on human-computer interaction from the University of Maryland, College Park.

These insights informed the design of speech-based interactions for individuals with physical disabilities that resulted in increased productivity and satisfaction. Importantly, these same insights also proved useful when designing for a variety of other user groups including older adults, individuals with impaired vision, and individuals with no known disabilities using gesture-based interactions.

A recent area of research focused on the goal of identifying subtle changes in an individual's cognitive status based on their everyday interactions with computing technologies. The goal was to identify subtle changes, which would not necessarily be identified through standard clinical examinations, that could allow earlier diagnosis and treatment. While the original motivation was Alzheimer's Disease, this same approach could be leveraged to identify changes resulting from concussions, subconcussive impacts, or other injuries or diseases that impact cognitive function.

Of course, none of this research would have been possible without the significant contributions of my students, especially Jinjuan (Heidi) Feng, Min Lin, Liwei Dai, Kathy Price, Lisa Vizer, Shaojian Zhu, and Rich Goldman.

Nominations Sought for New CCC Council Members

By CCC Staff

The **Computing Community Consortium** (CCC) is charged with catalyzing and empowering the U.S. computing research community to articulate and advance major research directions for the field. To do so, the CCC needs truly visionary leaders — people with great ideas, sound judgment, and the willingness to work hard to see things to completion. Please help the computing community by nominating such people for the Council.

Established in 2006 through a cooperative agreement between the **U.S. National Science Foundation** (NSF) and the **Computing Research Association** (CRA) — representing over 220 North American academic departments, industrial research labs, and professional societies with computing research interests, the CCC *provides a voice for the national computing research community, and facilitates the development of a bold, multi-themed vision for computing research, and communicates that vision to a wide range of major stakeholders.*

For more information about the CCC, please visit our **website** and **blog.**

The work of the CCC is carried out by an active and engaged **Council,** currently led by **Beth Mynatt** (Georgia Tech) as Chair and **Mark Hill** (University of Wisconsin-Madison) as Vice Chair. The members of the Council are appointed by CRA in consultation with NSF, with staggered three-year terms. In the aggregate, the Council must reflect the full breadth of the computing research community — research area, institutional character, geographic diversity, etc. A full-time director, **Ann Drobnis,** staffs the CCC.

The CCC's Nominating Subcommittee invites nominations (including self-nominations) for members to serve on the CCC Council for the next three years, beginning July 1, 2018.

Please send nominations, together with the information below, to **ccc-nominations@cra.org** by **11:59pm EST on Friday, February 2, 2018.** The subcommittee's recommendations will serve as input to CRA and NSF, who will make the final selection. Please include:

- Name, affiliation, and email address of the nominee.

- Areas of research expertise.

- Previous significant service to the research community and other relevant experience, with years it occurred (no more than *five* items).

- A brief biography or curriculum vitae of the nominee.

- The names and contact information (email and phone) for 2-3 people who would be knowledgeable about the nominee's potential for such a service role.

- A statement from the nominee of less than one page, supporting his or her nomination by describing his or her ideas for, and commitment to, advancing the work of the CCC in encouraging new research directions, engaging broader communities, and finding wider funding sources.

Please note that in order to represent the community and provide it with a breath of different knowledge, the CCC selects council members from different institutions.

If you have any questions, please direct them to the CCC Director, Ann Drobnis (**adrobnis@cra.org**).

Security and Privacy for Democracy Panel

By CCC Staff

Daily headlines bemoan the lack of secure systems and this past year witnessed numerous breaches leading to the disclosure of private information. The failure of these commercial systems has dominated much of the discourse around security and privacy. However, the secure collection and transmission of information and the judicious use of private data is fundamental to the core of our society beyond commerce. It underlies the basic processes of governance and civic participation.

Almost a decade ago, computing researchers developed a mathematical theory called differential privacy, which protects information about individuals when analyzing groups of people. Differential privacy is now deployed in the commercial space and used by US federal agencies such as the **U.S. Census Bureau. Simson L. Garfinkel,** from the US Census Bureau, gave **this example and others** at the most recent **Computing Community Consortium** (CCC) Symposium and described how the 2020 Census will use differential privacy to protect the privacy of individual survey responses.

The **CCC Symposium** was held on October 23-24, 2017 in Washington, DC. We have been highlighting a different panel on the **CCC Blog** each week since the event. This week we are focusing on the Security and Privacy for Democracy Panel.

Security and Privacy for Democracy Panel

Computing research enables new technology to help society cope with information security and privacy risks. The five panelists on this panel talked about how technologies and processes interact to protect our society.

- **Roger Dingledine** (**Tor Project**) – The Tor Project is on online community around the world that helps strives to keep the Internet safer through enabling anonymous communication. Dingledine commented that transparency for Tor is key, so it is open-sourced and free. The design documents, specifications, and developers are all publically available.

- **Simson L. Garfinkel** (U.S. Census Bureau) – The U.S. Census Bureau is also building a disclosure avoidance system for the 2020 Census. The plan is for this to be a public system and that the Bureau will publish the source code. It will rely on infusing formally private noise. There will be a privacy/utility tradeoff for some queries, while other queries (such as the number of people in each state) will be exact.

Daniela Oliveira, University of Florida

- **Phillipa Gill** (**UMass-Amherst**)- Measuring and tracking censorship is challenging due to the decentralized design of the Internet itself. Researchers are creating tools that can flag different forms of censorship across a variety of content.

- **Daniela Oliveira** (**University of Florida**) – People are very susceptible to risk and psychological principles of influence, such as authority, reciprocation, commitment, liking, scarcity, and social proof. For example, once a person takes a stand (commitment) they want to behave (e.g.,

click on a related link) in ways that are consistent with their commitment. This bias is particularly true for older adults. As a person ages their cognition and sensitivity decrease, therefore they are more susceptible to phishing risks.

- **Dan Wallach** (**Rice University**) – Electronic voting is a security and privacy risk. Better voting machines that use cryptographic and other verification techniques including paper records can combat these risks. Online voter registration databases are also very vulnerable to attacks. Cyber attacks are hard to attribute to their source, such as the possible Russian involvement in the 2016 presidential election.

At the beginning of the Q&A session, CCC Council member and chair of this panel, **Kevin Fu** (**University of Michigan**) asked each panel member to "give him hope." Dingledine stated that a growing number of companies are feeling positive about protecting individual's security and privacy. There is also a fine balance between making the public aware of these security issues and not alarming them. Oliveira and Dingledine both said that the computing research community is beginning to leverage tools that can maintain that balance.

Significant work on security and privacy is underway, but progress will require continued collaboration and informed communication between academic researchers, industry, government, and the broader public.

Stay tuned to the blog next week as we continue to highlight the other session panels from the symposium. **See the video from the panel here.**

Two Hardware Security Design Flaws Affect Billions of Computers

CCC
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Catalyst

Microsoft Research Podcast on How Programming Languages Quietly Run the World with CCC Exec Member Ben Zorn

By Ben Zorn

Do you worry that the Bluetooth-enabled smart fork you just got for Christmas is trying to steal your password? Do you wonder what software was used to implement your smart fork and when it was last updated? These are questions we've never had to ask until now.

Microsoft Research Podcast recently interviewed Computing Community Consortium (CCC) Executive Council member and CCC Intelligent Infrastructure (II) Task Force Co-Chair Ben Zorn, from Microsoft Research, on programming languages and how they are impacting the world.

In the Podcast, Zorn talked about the Internet of Things. When we embed computing into infrastructure, like what the CCC II Task Force is looking at, how does that change the world? How can we make the smart fork software better? The more we depend on these devices, the more important it is that their hardware and software are created with privacy and security in mind and following industry best practices to ensure that they benefit society for decades to come.

By Mark D. Hill and Kevin Fu

In recent days, several sources—listed below—have reported on two security design flaws in computer hardware that involve undesirable interactions between processor speculative execution and memory protection, but whose implications are still emerging. With speculative execution, a processor core uses heuristics to guess the next step for execution. Programs execute faster when the guess is correct. When speculation picks an incorrect direction, a core should hide any learned information from user-level software. With these newly disclosed flaws, incorrect outcomes from speculation are properly hidden from the architectural state but can be leaked through timing-based side channels. That is, a devious program can coerce the processor to speculatively access memory it shouldn't and to then test the timing of future cache accesses to infer some bits of secret information. These side-channel attacks can be repeated many times to leak information at a rate that depends on the specifics of the attack. See the end of this post for the sketch of a side-channel attack.

The first bug—dubbed **Meltdown**—appears to affect most Intel x86-64 processors, but not processors from AMD. It involves a flaw in speculation that lets a user-level program to read kernel pages mapped into its page table with escalated privilege. Patches are in progress for major operating systems. Unfortunately, depending on the frequency of system calls, these patches can have negative performance impacts. This bug is important to all Intel systems, as leaking the contents of kernel memory is unacceptable.

The second flaw— really class of flaws—dubbed **Spectre**—is reported to affect x86-64 and ARM processors from many vendors. It is rare–and perhaps unprecedented–that a design flaw appears in multiple architectures, not just one or multiple implementations of a single architecture. The flaw allows a user program to read another user program's memory using side channels involving speculative branches, etc. The authors claim that Spectre is more difficult to fix and harder to exploit, in part, because attacks must be tailored to specific processor implementations. This class of flaws is most important to computer systems running user-level programs that are potentially hostile to each other, as with infrastructure-as-a-service cloud servers.

As a deeper understanding emerges, the computer science technical community may wish to reflect on how to prevent future bugs like these in the cyber infrastructure on which we all depend. How do we make more deliberate trade-offs between performance and security? Can formal methods help or is the attack surface too complex? Should a functional architectural specification be augmented with a specification of security architectures that somehow identify the risks an abstraction of micro-architectural side-channels?

In one effort, the CCC–through its Cybersecurity Task Force–is in the initial planning of an embedded security workshop for researchers to set strategic directions and goals to better design security into systems rather than attempt to bolt security on after the fact.

CCC
Computing Community Consortium
Catalyst

Microsoft Research
(continued)

Zorn also described **Project Premonition**, which takes a new approach to tracking where diseases are in the world. One of his collaborators, Ethan Jackson, created a very specialized mosquito trap that uses machine learning to capture a mosquito and preserve it in such a way that it allows researchers to sequence the mosquito DNA. With the sequenced DNA, researchers can harness the power of computing in the Cloud to determine what the mosquito ate, if it has an infectious disease like Zika or Ebola, and potentially track the location of these diseases.

These are just some of the examples that Zorn describes in his Podcast interview on programming languages and their tremendous potential impact. If you want to learn more and hear the full descriptions, see the **entire podcast interview here.**

Ben Zorn, CCC Exec Member and Principal Researcher at Microsoft Research

More generally, building most robust cyber-infrastructure will likely require government investment—like DARPA's CRASH Program (https://www.darpa.mil/program/clean-slate-design-of-resilient-adaptive-secure-hosts)—because incentives and consequences are different for society than for individual companies.

References:

New York Times:
https://www.nytimes.com/2018/01/03/business/computer-flaws.html

Meltdown paper:
https://meltdownattack.com/meltdown.pdf

Spectre paper:
https://spectreattack.com/spectre.pdf

A blog separating the two bugs:
https://danielmiessler.com/blog/simple-explanation-difference-meltdown-spectre/

Google Blog:
https://security.googleblog.com/2018/01/todays-cpu-vulnerability-what-you-need.html and https://googleprojectzero.blogspot.com/2018/01/reading-privileged-memory-with-side.html

Industry News Sources:
https://arstechnica.com/gadgets/2018/01/whats-behind-the-intel-design-flaw-forcing-numerous-patches/ and https://www.theregister.co.uk/2018/01/02/intel_cpu_design_flaw/

Sketch of a Side Channel Attack:

Step 0: Prime architectural state, e.g., branch predictor and caches.

Step 1: Coerce processor into speculatively loading address FOO into variable y.

- The variable y never gets committed to "architectural state."

- FOO may be memory that an application is not supposed to access either from page table protections or even software bounds checks.

- Hence y may hold a secret.

Step 2: In another speculative access, use the speculatively loaded value y to index into a different array BAR[ ] that that program has legitimate access to.

Step 3: Time the loads to BAR[ ] to determine the cache index. The value y is the cache index. That's the data leak.

Step 4: Repeat many times to obtain information at some bandwidth.

Get Involved with CRA-Women Activities

CRA-W
Computing Research Association
Women

The mission of the CRA Committee on the Status of Women in Computing Research (CRA-W) is to increase the success and participation of women in computing research and education at all levels. There are several ways you can get involved by mentoring students, submitting proposals and sharing these opportunities with your colleagues and students.

Nominations Open for Borg Early Career Award

CRA-Women invites nominations for the Borg Early Career Award (BECA). The award honors the late Anita Borg, who was an early member of CRA-W and is inspired by her commitment to increasing the participation of women in computing research.

This annual award is given to an individual who has:
- made significant research contributions,
- had positive and significant impact on advancing women and diversity in the computing research community,
- is relatively early-career (at-most 8 years post-PhD) faculty member or researcher in an industry or government lab, and
- is affiliated with an institution, industry lab, or government lab in the United States, its territories, or Canada.

The deadline for nominations is February 15, 2018.

Distributed Research Experiences for Undergraduates (DREU)

Are you a faculty member interested in being a research mentor or do you know students interested in exploring research? The DREU program matches students with faculty mentors for summer research experiences at the faculty mentor's home institution. Applications are currently open for both students and mentors; Apply by February 15, 2018.

Scholarships for Women Studying Information Security (SWSIS)

The SWSIS program provides scholarships of up to $10,000 for women studying for bachelor's and master's degrees in information security fields. It is a partnership of Applied Computer Security Associates (ACSA) and CRA-W, with sponsorship from ACSA and the Hewlett-Packard Enterprise to provide assistance to women at the formative stages of their careers. The application deadline is February 1, 2018.

Distinguished Lecture Series

The CRA-W Distinguished Lecture Series brings prominent faculty and industry researchers to campuses across the US. The purpose of these visits is to provide inspiring role models that will encourage students to pursue research in computer science and engineering. At these events, students will have the opportunity to discuss the graduate school process and receive mentoring from leading researchers. Submit a proposal today!

Travel Support for Women in Research Labs

Do you know a researcher in industry or a government lab interested in attending a conference but having difficulty finding the funding? CRA-W provides full or partial support for actual travel expenses to conferences or workshops in the applicant's area of research. Travel to CS-related summer schools for the purpose of learning technical material is also covered. Up to $2,000 (or $3,000 for international conferences) is available per trip. Click here for more information and application instructions.

Expanding the Pipeline: CRA-W at 2017 Grace Hopper Celebration of Women in Computing

By Shar Steed, CRA Communications Specialist

The 2017 Grace Hopper Celebration of Women in Computing (GHC) was held in Orlando, Florida, from October 4-6. The annual conference, which is the world's largest conference for women in computing, has grown exponentially during recent years. For instance, 2017 attendance topped more than 18,000, shattering the previous year's attendance record of 15,000-plus participants.

On the first day, the Anita Borg Institute, which produces the event, announced it would now be called "AnitaB.org." As a perfect complement to its new name and image, AnitaB.org started the "I am" movement, a way for individuals to share a bit about themselves. The organization encouraged speakers and attendees to join the "I am" movement by creating their own "I am" signs with short descriptions of themselves.

The conference featured several inspiring keynotes, including one by CRA-W board member Ayanna Howard of the Georgia Institute of Technology. During the closing session, Howard's presentation shared her research on robotics, and emphasized the need to remove bias when programming robots so that the robots can work well with humans. (Click here to view a recording of her session.)

For the ninth consecutive year, CRA-W presented career mentoring content for GHC attendees interested in research. Mentoring tracks were available for all career levels: undergraduate, graduate, and professional. Session topics ranged from "Making the Most of Your Summer Internship" to "Graduate School Survival Skills" to "Top Tips for Balancing the Demands of a Research Career."

CRA-W's presence at GHC also included a reception for CRA-W alumnae, a booth in the Career Fair displaying information on CRA and CRA-W programs, and several tables in the Student Opportunity Lab.

During the "Starting, Managing, and Growing Your Own Research Program" session, CRA board member Nancy Amato presented the 2017 CRA A. Nico Habermann Award to Carol Frieze, director

of SCS4ALL and Women@SCS at Carnegie Mellon University. She received the award in recognition of her devoting nearly two decades to promoting diversity and inclusiveness in computing.

CRA-W's **Grace Hopper Celebration Research Scholars Program,** now in its second year, brought 84 students to GHC. In this program, research scholars received focused mentoring and networking opportunities, as well as advice on graduate school and research careers in computing.

In 2018, GHC will return to Houston, Texas, and will be held from September 26–28. We hope to see you there!

Upcoming CRA-W Events and Deadlines:

- Scholarships for Women Studying Information Security: **Applications** due February 1.

- Virtual Undergrad Town Hall – High Performance Computing at Oak Ridge National Laboratory by Verónica G. Vergara Larrea: **Event** date is February 8.

- Distributed Research Experiences for Undergraduates: **Applications** due February 15.

- Borg Early Career Award: **Nominations** due February 15.

About the author

Shar Steed is the communications specialist responsible for the marketing and communications initiatives of the Computing Research Association.

Analysis of Current and Future Computer Science Needs via Advertised Faculty Searches for 2018
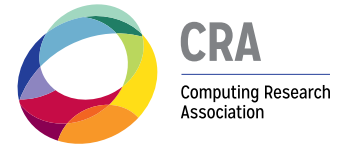
By Craig E. Wills, Professor and Department Head, Computer Science Department, Worcester Polytechnic Institute

This work uses the same methodology as work from **previous years** to study where Computer Science departments are choosing to invest faculty positions by examining data obtained from advertised faculty searches for the current hiring season. While the number of and areas for faculty searches does not necessarily translate into the same for faculty hires, we believe that they provide insight into current and future needs within the discipline.

We analyzed ads from 406 institutions seeking to fill hundreds of tenure-track faculty positions in Computer Science. There is a 17% one-year (and 52% two-year and 82% three-year) increase in the number of institutions searching for tenure-track faculty in Computer Science and a 21% one-year (and 64% two-year and 107% three-year) increase in the number of positions being searched for. The number of institutions searching and positions seeking to be filled has increased the most forBS institutions.

In terms of specific areas, we found that the clustered areas of Security, Data Science and AI/Data Mining/Machine Learning are the areas of greatest investment. Aggregating the Data Science, AI/DM/ML and Databases clusters results in close to one-third of all hires sought in these data-oriented areas. We again found that 30-60% of all hires are for areas that are, or may be, interdisciplinary in nature.

Differences are also seen when analyzing results based on the type of institution. Positions related to Security have the highest percentages for top-100 PhD, MS and BS institutions. Data Science is of most interest for other PhD institutions. 35% of positions for PhD institutions are in data-oriented areas. Finally, the abundance of potentially interdisciplinary areas is most pronounced for PhD institutions with 32-65% of all positions devoted to these areas.

The full report containing a description of the methodology and the complete results is available at **http://www.cs.wpi. edu/~cew/papers/CSareas18.pdf**
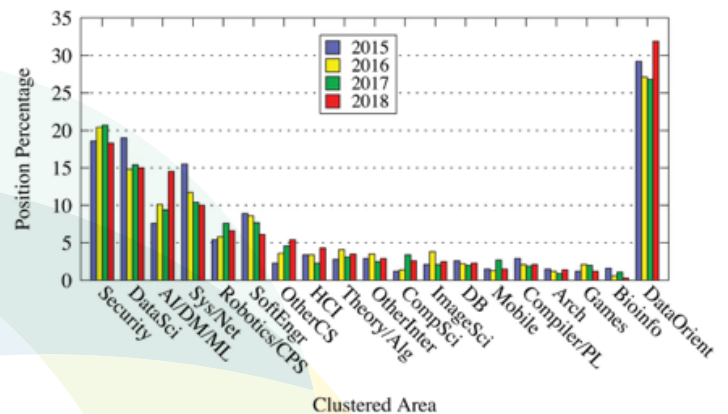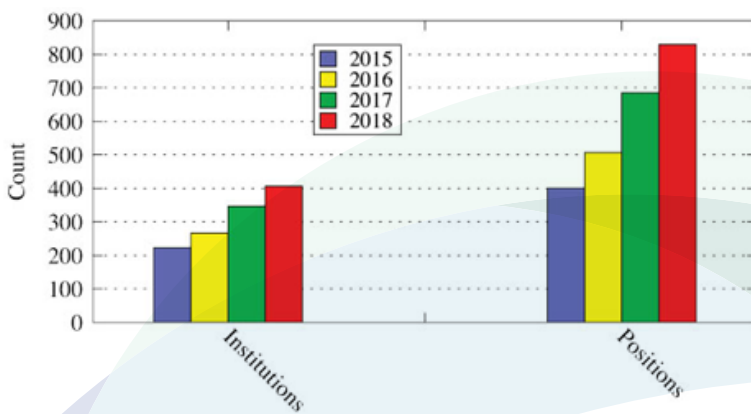
Institutions and Positions

Clustered Area

Are Ph.D. Students Losing Interest in Faculty Positions at Research Universities?

By Burçin Tamer, CERP Research Scientist
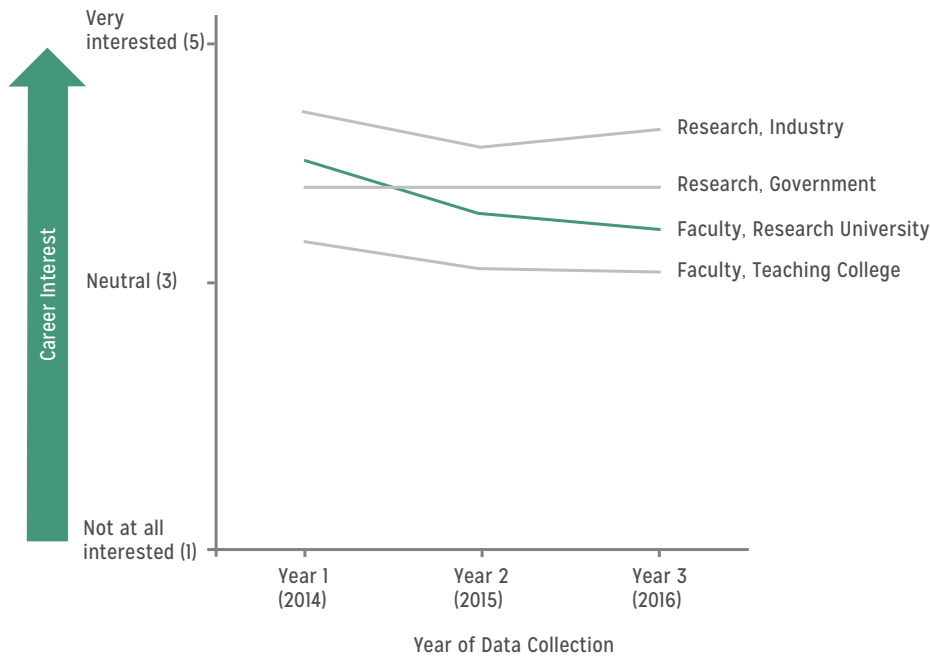
This graph shows doctoral students' interest in different types of academic or other research focused careers in computing based on longitudinal data from a sample of U.S. Ph.D. students (n = 177) over a 3-year period. As they advance in their program, Ph.D. students' interest in an academic career at a research university indicates a decline at a statistically significant rate, $p < .05$. Interest in academic teaching positions shows a similar decline in interest over time, but the magnitude of this decline is not statistically significant. Students' interest in research-related industry positions drops after a year, but increases a year after that. Finally, interest in research-related positions in government does not change over time. Note that while these trends are intriguing, more data are needed to ensure the findings are reliable. To this end, CERP is currently collecting a fourth wave of data.

A decline in interest in faculty positions at research universities is important given the state of academic faculty positions in computer science at U.S. universities. According to the Taulbee Survey, the actual and anticipated faculty size in computer science departments is increasing. The latest report from the Taulbee Survey [1] presents an expected 13% 2-year growth in computer science faculty size across all U.S. institutions that responded to the survey. On the other hand, a report by Craig Wills [2], which uses Taulbee data, indicates 49% of all faculty searches at Ph.D.-granting institutions for 2017 were unsatisfactory; either they failed completely (12%) or resulted in hiring of fewer candidates than intended (37%). That is, almost half of Ph.D.-granting institutions with open searches were unable to fill all of the positions they advertised. Graduate students' interest in academic careers may relate to the availability of quality candidates to meet the increasing demand for computer science faculty. Thus, it is important to explore factors that may be causing the decline in students' interest in academic careers.

Notes:

CERP collected longitudinal survey data from Ph.D. students enrolled at a sample of U.S. universities via the Data Buddies Project. Data were collected from a sample of students during 2014, 2015, and 2016. The students in this graph are those who were enrolled as a Ph.D. student and responded to the career interest questions during all three waves of data collection (n = 177). The academic year status of the students in the resulting sample in the first year of data collection (2014) were as follows: 29% first year, 25% second year, 28% third year, 9% fourth year, and 9% fifth year or above. Students were asked *How interested are you in the following types of careers?: tenured faculty in a computing department at a research university; tenured faculty in a computing department at a teaching college; computing researcher in industry;* and *computing researcher in a government lab,* using the following scale: 1 (*very uninterested*) to 5 (*very interested*). A linear effect of time was tested using a repeated measures analysis of variance on each career type. The only career type that showed a statistically significant linear change over time was interest in an academic career at a research university ($p < .001$); this linear effect showed a decrease in interest over time.

References:

[1] Zweben, S., & Bizot, B. (2017). 2016 Taulbee Survey. *Computing Research News,* 2 (5). Retrieved December 8, 2017, from https://cra.org/crn/wp-content/uploads/sites/7/2017/05/2016-Taulbee-Survey.pdf

[2] Wills, C. E. (2017). *Outcomes of Advertised Computer Science Faculty Searches for 2017* (Rep.). Retrieved December 8, 2017, from http://web.cs.wpi.edu/~cew/papers/outcomes17.pdf

Low Diversity in Tech: How Did It Happen and How Do We Fix It?

CERP
Computing Research Association
Evaluation

Diverse perspectives foster innovation and ensure the needs of many are met. At present, tech companies lack demographic diversity. As the director of the Center for Evaluating the Research Pipeline (CERP) at CRA, Jane Stout studies factors that often encourage (or discourage) people from underrepresented groups from pursuing technical careers. Recently, Stout led an interactive and insightful webinar on issues including:

- The latest research on why this is the case

- How tech companies can turn this around

- Suggested strategies to increase diversity in our workforce

View the recording here!

Announcements

Congratulations to the 2017 ACM Fellows

The ACM recently named 54 of its members as ACM Fellows for transformative contributions and advancing technology in the digital age. They were honored for seminal work in areas including artificial intelligence, bioinformatics, computer graphics, cloud computing, and software engineering.

From the ACM Press Release:

"To be selected as a Fellow is to join our most renowned member grade and an elite group that represents less than 1 percent of ACM's overall membership," explains ACM President Vicki L. Hanson. "The Fellows program allows us to shine a light on landmark contributions to computing, as well as the men and women whose hard work, dedication, and inspiration are responsible for groundbreaking work that improves our lives in so many ways."

Several CRA participants were named Fellows:

Edward A. Fox (Former CRA Board Member)
Virginia Tech
For contributions in information retrieval and digital libraries

Gregory D. Hager (CRA Board and Former CCC Council Chair)
Johns Hopkins University
For contributions to vision-based robotics and to computer-enhanced interventional medicine

Andrew K. McCallum (Former CCC Council Member)
University of Massachusetts at Amherst
For contributions to machine learning with structured data, and innovations in scientific communication

Gail C. Murphy (Former CRA-W Board Member)
The University of British Columbia
For contributions to recommenders for software engineering and to program comprehension

Tal Rabin (Former CCC Council Member)
IBM Research
For contributions to foundations of cryptography, including multi-party computations, signatures, and threshold and proactive protocol design

Congratulations to all the 2017 Fellows. Click here for the full list.

CRA-E Graduate Fellows Program Accepting Nominations

The CRA Education Committee is now accepting applications for the CRA-E Graduate Fellows Program. The program provides opportunities for Ph.D. candidates in computing fields to contribute to CRA-E projects, network with computer science education advocates on the committee, engage in advocacy for mentoring undergraduate students and promote undergraduate research and education at the national level. Faculty members are invited to nominate a graduate student by **January 29, 2018. Click here for more information.**

Greg Byrd Appointed to the CRA Board of Directors

Greg Byrd has been appointed the new IEEE-CS representative on the CRA board of directors.

Byrd joins David Ebert and replaces Tom Conte on the board. CRA would like to thank Conte for his contributions during his term of service on the board.

Byrd is a professor of electrical and computer engineering at North Carolina State University, and serves as the associate department head. His teaching and research interests include computer architecture, memory systems, and parallel computing. Prior to joining NC State, he worked for Digital Equipment Corporation, the NC Supercomputing Center, MCNC, and Celotek. He has also been a visiting faculty architect at IBM. He has served on the IEEE Computer Society Board of Governors since 2015, and is currently the vice president for publications.

CRA Executive Director Andrew Bernat Elected 2017 AAAS Fellow

CRA Executive Director Andrew Bernat, has been named a Fellow of the American Association for the Advancement of Science (AAAS). In addition, CRA board member H.V. Jagadish and former board member M. Tamer Özsu were also named AAAS Fellows. Election as a AAAS Fellow is an honor bestowed upon AAAS members by their peers.

As part of the Information, Computing & Communication section they were honored for:

Andrew P. Bernat

For distinguished service to education, to the Computing Research Association, and to the National Science Foundation.

H.V. Jagadish

For distinguished contributions to database systems and many aspects of big data and data science, specifically for new ways to share data.

M. Tamer Özsu

For principled contributions to database systems research, education and service.

In 2017, 396 members were awarded this honor by AAAS because of their scientifically or socially distinguished efforts to advance science or its applications. New Fellows will be presented with an official certificate and a gold and blue (representing science and engineering, respectively) rosette pin on Saturday, February 17, 2018 at the AAAS Fellows Forum during the AAAS Annual Meeting in Austin, Texas.

This year's AAAS Fellows were formally announced in the AAAS News & Notes section of the journal *Science* on 24 November 2017.

The tradition of AAAS Fellows began in 1874. Currently, members can be considered for the rank of Fellow if nominated by the steering groups of the Association's 24 sections, or by any three Fellows who are current AAAS members (so long as two of the three sponsors are not affiliated with the nominee's institution),

or by the AAAS chief executive officer. Fellows must have been continuous members of AAAS for four years by the end of the calendar year in which they are elected.

Each steering group reviews the nominations of individuals within its respective section and a final list is forwarded to the AAAS Council, which votes on the aggregate list.

The Council is the policymaking body of the Association, chaired by the AAAS president, and consisting of the members of the board of directors, the retiring section chairs, delegates from each electorate and each regional division, and two delegates from the National Association of Academies of Science.

Professional Opportunities

Aarhus University

Head of Department
Department of Computer Science

To help to achieve the university's ambitious goals, Science and Technology, Aarhus University, is looking for a person to fill the position of head of department (starting on 1 September, 2018) at the Department of Computer Science.

Aarhus University ranks among the world's top 100 universities. It has the ambition and potential to achieve an even higher ranking among the leading universities in Europe. The university therefore aims to preserve and expand the academic depth it currently enjoys, and to seek new opportunities and connections across fields and in close interaction with the outside world.

In its efforts to achieve this ambitious goal, Aarhus University has undergone an extensive academic development process in recent years, in order to create deeper connections across the university's many disciplines. The goal is a significant enhancement of the university's academic environments combining broad-based academic and educational competencies with research-based relevance to society.

The university's strategy can be viewed at *www.au.dk/om/profil/strategi.*

About the Department of Computer Science
The Department of Computer Science has a very strong international academic research profile.

Together with the research, the teaching aspect constitutes a significant factor and educates students at all levels. By maintaining an inspiring, challenging and international research and teaching environment, the department seeks to attract the very best researchers and students.

There are 26 tenured academic staff, 10 technical and administrative staff, approx. 40 PhD students as well as a varying number of postdocs (approx. 20) affiliated with the department. Every year, approx. 180 students are admitted.

Read more about the Department of Computer Science at *www.cs.au.dk.*

Areas of responsibility
The head of department undertakes the day-to-day management.

The head of department represents the department externally and, on the authority of the rector and dean, is responsible for the department's academic, financial and HR management, including the planning and allocation of work.

The head of department ensures high quality and great cohesion in the department's research, talent development, teaching and knowledge exchange. The head of department is responsible for drawing up and implementing strategy and action plans for the department's research efforts, and must have a special focus on the department's dedicated contribution to interdisciplinary research across traditional disciplinary boundaries. The head of department must also follow up proactively

on evaluations of education and teaching, in cooperation with the board of studies and head of studies.

Finally, the head of department must ensure that the department makes its expertise available to service and advise government agencies and institutions and businesses.

Specialisation and professionalisation of administrative support means that the head of department is freed up from many administrative tasks. The head of department must therefore focus on strategic management, financial accountability and good HR management.

Read the full job description and apply online here *http://www.au.dk/en/about/ vacant-positions/administrative- positions/stillinger/Vacancy/ show/935109/6589/*

Application deadline: 15/4/2018

Adelphi University

Visiting Assistant Professor, Computer Science

College of Arts & Sciences

Department of Mathematics and Computer Science

Start Date: Fall 2018

Adelphi University is a nationally ranked, doctoral research university offering exceptional liberal arts and sciences programs and professional training. We are a private comprehensive university of nearly 8,000 students, with a main campus located in Garden City, on Long

Association for Computing Machinery (ACM)

Chief Executive Officer

ACM, the Association for Computing Machinery, invites applications for the position of Chief Executive Officer (CEO).

ACM is the oldest and largest educational and scientific computing society with nearly 100,000 members worldwide. The association has an annual budget of $75 million, 75 full-time staff in New York and Washington D.C., a rich publications program that includes 90 periodicals in computing and hundreds of conference proceedings, a dynamic set of special interest groups (SIGs) that run nearly 300 conferences/symposia/workshops each year, initiatives in India, China, and Europe, and educational and public policy initiatives. ACM is the world's premiere computing society.

The ACM CEO serves as the primary executive responsible for the formulation and implementation of ACM strategic direction, for representing ACM in the worldwide computing community, and for overall management of the affairs of the association. The successful candidate will have high professional standing in the computing field, executive experience, leadership skills, and a vision of the future of professional societies and computing. The CEO reports to the ACM President. It is not a requirement that the CEO work from ACM's New York headquarters, but must be able to travel frequently to headquarters and other ACM meetings.

The full job description and details on how to apply can be found at: **ceosearch.acm.org**

The ACM is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, age, protected veteran status or status as an individual with disability.

Association for Computing Machinery

Island, New York, within 15 miles of JFK Airport and convenient to Manhattan.

The Adelphi University Department of Mathematics and Computer Science invites applications for a visiting assistant professorship (2-year term) in Computer Science beginning August 27, 2018. The Department of Mathematics and Computer Science currently has 13 full-time faculty members and is in the process of growing as a collaborative unit.

Potential for excellent teaching at the graduate level is essential. The usual load is 18 credits per academic year. The successful applicant will primarily teach in the recently created MS Program with an emphasis in Software Engineering and Cybersecurity. A doctoral degree, in computer science or a closely related discipline with a background in security or digital forensics, is required within one year of appointment.

A complete application must include a curriculum vitae; a letter of application addressing how you will add value (both in teaching pedagogy and scholarship) to the newly created graduate programs within our department; a teaching statement; a research statement; and three letters of recommendation, at least one of which addresses teaching effectiveness, sent under separate cover. Review of applications will begin on December 15, 2017 and continue until the position is filled.

All applications must be submitted through Adelphi University's employment portal at *http://hr.adelphi.edu/position-openings/.*

To learn more visit *www.adelphi.edu.*

Adelphi University is an equal opportunity/ affirmative action employer committed to building a diverse workforce and strongly encourages applications from women, under-represented groups, members of the LGBT community, people with disabilities and veterans. Adelphi University is an EEO/AA employer.

Arizona State University

Big Data Systems Faculty Positions

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) and the School of Computing, Informatics, and Decision Systems Engineering (CIDSE) seeks applicants for tenure-track/ tenured faculty positions in big/fast/ scalable data systems. Areas of interest include high performance and scalable systems to support data systems design and engineering, including management, processing, and analytics of massive, heterogeneous, and possibly real-time data sets. Candidates with application interest in one or more of our key research thrust areas of Health, IoT, and Sustainability are particularly encouraged to apply. The originality and potential impact of each candidate's work are higher priorities than the specific area of research.

CIDSE currently houses ASU's Center for Assured and Scalable Data Engineering (CASCADE), Center for Cybersecurity and Digital Forensics, IoT Collaboratory, Bio Design Institute, Global Institute of Sustainability, and Institute of Humanities

Research and have faculty working on a variety of topics including data management, data mining and machine learning, data security, information visualization, data storage, and High Performance Computing. The current openings are intended to broaden and strengthen this expertise, which is crucial to university initiatives and velocity.

Faculty members are expected to develop an internationally recognized and externally funded research program, adopt innovative educational practices in graduate and undergraduate education, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities. ASU strongly encourages transdisciplinary collaboration and use-inspired, socially-relevant research. Although the tenure home may be in any of the Ira A. Fulton Schools of Engineering, the School of Computing, Informatics, and Decision Systems Engineering is currently the most involved in the interest areas of this search.

Required qualifications include an earned Ph.D., or terminal degree, in Computer Science and Engineering or a closely related field. Required qualifications also include demonstrated evidence of excellence in research and teaching as appropriate to the candidate's rank. Desired qualifications include a record of acquiring external funding and publication in top-tier journals/conferences, and a commitment to participating on and/or leading transdisciplinary teams addressing problems of high societal impact.

Appointments will be at the *Assistant, Associate, or Full Professor* rank commensurate with the candidate's experience and accomplishments, beginning August 2018.

Review of applications will begin December 18, 2017; if not filled, reviews will occur on the 1st and 15th of every month thereafter until the search is closed. Apply at *https://hiring.engineering.asu.edu/.* Candidates will be asked to submit the following through their Interfolio Dossier:

- Cover letter
- Current CV
- Statement describing research interests
- Statement describing teaching interests
- Contact information for three references

For more information or questions about this position, please contact the search committee chair, Professor Ming Zhao, *mingzhao@asu.edu.*

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. Please see ASU's full non-discrimination statement (ACD 401) at https://www.asu.edu/aad/manuals/acd/ acd401.html and ASU's Title IX policy can be located at https://www.asu.edu/titleIX.

Arizona State University

Cybersecurity Faculty Positions

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) and the School of Computing, Informatics, and Decision Systems Engineering (CIDSE) seeks applicants for tenure-track/tenured faculty positions in Cybersecurity. Areas of interest include resilience, security, privacy, cryptography, and interoperability in computing and cyber systems. The originality and potential impact of each candidate's work are higher priorities than the specific area of research.

CIDSE currently leads the multidisciplinary Center for Cybersecurity and Digital Forensics at ASU. This center frequently engages in collaborative activities with the School of Electrical, Computer & Energy Engineering, W. P. Carey School of Business, College of Liberal Arts and Sciences, New College of Interdisciplinary Arts and Sciences, School of Criminology and Criminal Science, Sandra Day O'Connor College of Law and School of Sustainability. The successful candidates will be encouraged to participate in and expand these collaborations.

Required qualifications include an earned Ph.D., or terminal degree, in Computer Science, Software Engineering, or a closely related field. Required qualifications also include demonstrated evidence of research capability and commitment to teaching excellence. Desired qualifications include a record of acquiring external funding and publication in top-tier journals/conferences as appropriate to the candidate's rank,

and a commitment to participating on and leading transdisciplinary teams addressing problems of high societal impact.

Appointments will be at the *Assistant, Associate, or Full Professor* rank commensurate with the candidate's experience and accomplishments, beginning August 2018.

Faculty members are expected to develop an internationally recognized and externally funded research program, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities. ASU strongly encourages transdisciplinary collaboration and use-inspired, socially relevant research. Although the tenure home may be in any of the Ira A Fulton Schools of Engineering, the School of Computing, Informatics, and Decision Systems Engineering (CIDSE) is currently the most involved in the interest areas of this search.

Review of applications will begin December 18, 2017; if not filled, reviews will occur on the 1st and 15th of every month thereafter until the search is closed. Apply at *https://hiring.engineering.asu.edu/,* candidates will be asked to submit the following through their Interfolio Dossier:

- Cover letter
- Current CV
- Statement describing research interests
- Statement describing teaching interests
- Contact information for three references

For more information or questions about this position, please contact the search committee chair, Dr. Adam Doupé, *doupe@asu.edu*.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. Please see ASU's full non-discrimination statement (ACD 401) at https://www.asu.edu/aad/manuals/acd/ acd401.html and ASU's Title IX policy can be located at https://www.asu.edu/titleIX.

Arizona State University

Visual Analytics Faculty Positions

The Ira A. Fulton Schools of Engineering at Arizona State and the School of Computing, Informatics, and Decision Systems Engineering (CIDSE) at Arizona State University (ASU) seeks applicants for tenure-track/tenured faculty positions in Data Visualization and Computer Graphics. Areas of interest include visual analytics, information visualization, scientific visualization and computer graphics. The originality and potential impact of each candidate's work are higher priorities than the specific area of research. Multidisciplinary research is encouraged and collaborations exist across the university including the W. P. Carey School of Business, School of Sustainability, Department of Bioinformatics and the School of Mathematical and Statistical Sciences.

Arizona State University
Faculty Positions

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) and the School of Computing, Informatics, and Decision Systems Engineering (CIDSE) seeks outstanding applicants for tenure track/tenured faculty positions in the areas listed below with application to one or more of Health, Education, Energy, Security and Sustainability. Active searches are being conducted in the following areas but the excellence of the candidate's accomplishments and potential are more important than the specific area:

- **Natural Language Processing (Job #12197) -** Areas of interest include question answering, semantic parsing, natural language understanding, connecting language and machine perception, dialog systems, document understanding, natural language generation, and machine translation.
- **Deep Learning (Job #12198) –** Areas of interest include architectures and deep learning foundations, natural language processing, computer vision, automated planning, knowledge representation and machine learning with applications to robotics, security and intelligent tutors. The originality and potential impact of each candidate's work are higher priorities than the specific area of research.

Appointments will be at the *Assistant, Associate, or Full Professor* rank commensurate with the candidate's experience and accomplishments, beginning August 2018. Required qualifications include an earned PhD, or terminal degree, in Computer Science, Software Engineering, or a closely related field. Required qualifications also include demonstrated evidence of research capability and commitment to teaching excellence. Desired qualifications include a record of acquiring external funding and publication in top-tier journals/conferences as appropriate to the candidate's rank, and a commitment to participating on and leading transdisciplinary teams addressing problems of high societal impact.

Review of applications will begin December 22, 2017; if not filled, reviews will occur on the 1st and 15th of every month thereafter until the search is closed. Apply at https://hiring.engineering.asu.edu/ , candidates will be asked to submit the following through their Interfolio Dossier:

- Cover letter
- Current CV
- Statement describing research interests
- Statement describing teaching interests
- Contact information for three references

For more information or questions about this position, please contact the search committee chair, Dr. Chitta Baral chitta@asu.edu.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. See ASU's full non-discrimination statement (ACD 401) at https://www.asu.edu/aad/manuals/acd/acd401.html and the Title IX statement at https://www.asu.edu/titleIX/.

CIDSE currently leads the multidisciplinary DHS Center of Excellence, DOE Industrial Assessment Center, Center for Assured and Scalable Data Engineering, Information Assurance Center and Center for Cybersecurity and Digital Forensics at ASU. These centers frequently engage in collaborative activities with the School of Electrical, Computer & Energy Engineering, W. P. Carey School of Business, College of Liberal Arts and Sciences, New College of Interdisciplinary Arts and Sciences, School of Criminology and Criminal Science, Sandra Day O'Connor College of Law and School of Sustainability. The successful candidates will be encouraged to participate in and expand these collaborations.

Required qualifications include an earned Ph.D., or terminal degree, in Computer Science, Computer Engineering, Statistics, or a closely related field. Required qualifications also include demonstrated evidence of research capability and commitment to teaching excellence. Desired qualifications include a record of acquiring external funding and publication in top-tier journals/conferences as appropriate to the candidate's rank, and a commitment to participating on and leading transdisciplinary teams addressing problems of high societal impact.

Faculty members are expected to develop an internationally recognized and externally funded research program, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities. ASU strongly encourages transdisciplinary collaboration and use-inspired, socially relevant research. Successful candidates will be encouraged to expand expertise and collaborations in these areas.

Although the tenure home may be in any of the Ira A Fulton Schools of Engineering, the School of Computing, Informatics, and Decision Systems Engineering is currently the most involved in the interest areas of this research.

Appointments will be at the *Assistant, Associate, or Full Professor* rank commensurate with the candidate's experience and accomplishments, beginning August 2018.

Review of applications will begin December 18, 2017; if not filled, reviews will occur on the 1st and 15th of every month thereafter until the search is closed. Apply at *https://hiring.engineering.asu.edu/* Candidates will be asked to submit the following through their Interfolio Dossier:

- Cover letter

- Current CV

- Statement describing research interests

- Statement describing teaching interests

- Contact information for three references

For more information or questions about this position, please contact the search committee chair, Professor Ross Maciejewski, *rmacieje@asu.edu.*

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. Please see ASU's full non-discrimination statement (ACD 401) at https://www.asu.edu/aad/manuals/acd/acd401.html and ASU's Title IX policy can be located at https://www.asu.edu/titleIX.

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Baylor University

Chairperson, Department of Computer Science

School of Engineering and Computer Science

The School of Engineering and Computer Science invites nominations and applications for the position of Chair of the Department of Computer Science. The successful candidate must have an earned Ph.D. in Computer Science or a related field, leadership experience, a commitment to undergraduate and graduate education, a strong research record that includes significant external funding, and effective communication and organization.

The Department: Computer Science is one of three departments in the School of Engineering and Computer Science. It offers an ABET-accredited B.S. in Computer Science degree, a B.A. degree with a major in Computer Science, a B.S. in Informatics with a major in Bioinformatics, B.S. in Computing with a major in Computer Science Fellows, and M.S. and Ph.D. degrees in Computer Science. The Department has 15 full-time faculty, over 370 undergraduate majors and 20 graduate students. The Department's greatest strength is its dedication to the success of the students and each other. Interested candidates may contact any faculty member to ask questions and/or visit the departmental web site at *http://www.ecs.baylor.edu/computerscience/*

The University: Baylor University is a private Christian university and a nationally-ranked research institution, consistently listed with highest honors among The Chronicle of Higher Education's "Great Colleges to Work For." The university is recruiting new faculty with a deep commitment to excellence in teaching, research and scholarship. Baylor seeks faculty who share in our aspiration to become a tier-one research institution

while strengthening our distinctive Christian mission as described in our strategic vision, Pro Futuris (*https://www.baylor.edu/profuturis*). As the world's largest Baptist University, Baylor offers over 40 doctoral programs and has over 17,000 students from all 50 states and more than 80 countries.

Appointment Date: Fall 2018.

Application Procedure: Applications, including detailed curriculum vitae, a statement demonstrating an active Christian faith, and contact information for three references should be either emailed to *CSSearch@Baylor.edu* or mailed to Chair Search Committee, Department of Computer Science, Baylor University, One Bear Place #97141, Waco, TX 76798-7141.

For full consideration, applications should be received by January 1, 2018. However, applications will be accepted until the position is filled.

Baylor University is a private not-for-profit university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Opportunity employer, Baylor is committed to compliance with all applicable anti-discrimination laws, including those regarding age, race, color, sex, national origin, marital status, pregnancy status, military service, genetic information, and disability. As a religious educational institution, Baylor is lawfully permitted to consider an applicant's religion as a selection criterion. Baylor encourages women, minorities, veterans and individuals with disabilities to apply.

Belmont University
Assistant Professor of Computer Science

Belmont University invites applications for Assistant Professor in Computer Science (tenure-track), to begin August 1, 2018.

Details are online at *https://csc.belmont.edu/jobs/apcs18.*

Berry College
Tenure-Track Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Berry College invites applications for a tenure-track Assistant Professor position in Computer Science starting August 2018. Teaching responsibilities include core courses in the Computer Science program as well as electives in the candidate's area of interest. Preference will be given to candidates with the ability and interest to also teach introductory-level Mathematics courses (elementary statistics and/or calculus). Applications from candidates in any area of research are welcome, though priority may be given to those with interests in data science, data analytics, or machine learning.

The ideal candidate will demonstrate aptitude and enthusiasm for teaching in a liberal arts environment and a desire to contribute to the culture and development of a small but growing Computer Science program. In addition to teaching, position responsibilities include developing a focused research agenda that incorporates undergraduate students. Applicants should hold a Ph.D. in Computer Science or a closely related field. ABD candidates near completion will be considered. Review of applications will begin December 1, 2017 and continue until the position is filled.

Applicants should send a letter of application that includes a statement describing commitment to (or experience with) diversity, along with a current CV, unofficial graduate transcripts, a statement of research plans, statement of teaching philosophy, and three letters of recommendation (at least two of which should address evidence of, or potential for, teaching excellence) by e-mail to *BerryCS@berry.edu* or by post to:

Computer Science Search Committee

Department of Mathematics and Computer Science

Berry College Box 495014

Mount Berry, GA 30149-5014

Bowdoin College
Visiting Assistant Professor of Computer Science

The Department of Computer Science at Bowdoin College seeks a two-year, full-time visiting assistant professor beginning July 2018 (with possibility of third year). All areas of computer science and digital studies, particularly interdisciplinary fields such as computational sciences or social sciences, or digital humanities. Two courses per semester. Ph.D. preferred, ABD considered.

Apply before January 15, 2018 at *https://careers.bowdoin.edu*. Bowdoin is committed to equality through Affirmative

Action, and is an equal opportunity employer. Visit *http://www.bowdoin.edu* for more information.

Brookhaven National Laboratory

Data Scientist

The focus of this position is the development of diverse data analysis methods and software targeted to nanoscience. The successful candidate will develop a portfolio of collaborations with CFN scientists and users, addressing pressing challenges in the acquisition, management, and analysis of scientific datasets. This work will involve interacting with domain scientists, learning about domain-specific data challenges, and developing physics-specific algorithms, analysis tools, and software codes to solve outstanding and important analysis challenges facing modern nanoscience. Software solutions will implement known and developed physics insights, through collaborations with CFN theorists and simulation tools. The successful candidate will both respond to domain-specific data challenges, and develop independent research ideas for improved scientific data analysis. The position presents an opportunity to develop unique and impactful tools to solve frontier problems in nanoscience and nanotechnology, leveraging the CFN's diverse set of data challenges and computation resources.

Essential Duties and Responsibilities:

- Develop new data analysis methods and software tools targeted towards specific nanoscience problems.
- Collaborate with nanoscience domain experts to understand and solve modern scientific data challenges.
- Collaborate with colleagues in computer science and applied mathematics to develop improved software and implementations.
- Contribute to internal, community, and open source software projects.
- Conduct self-directed research in data analysis methods.
- Document work and results, including contributing to journal papers and conference proceedings.
- Participate in the scientific and operational activities of the CFN, especially the Theory & Computation group.

Required Knowledge, Skills and Abilities:

- Ph.D. in Physics, Chemistry, Materials Sciences Computer Science, and Applied Mathematics., or related field.
- Research or development experience (as postdoc, research assistant, industrial scientist, or other equivalent work).
- Proficiency in scientific programming, software development and use of existing software libraries and tools.
- Expertise in software coding in a diversity of programming languages and for a diversity of tasks.
- Demonstrated ability to collaborate and effectively communicate (written and oral) within a cross-disciplinary

team; strong record of collaborative research; and an interest in working with CFN staff members and CFN external users.

- Familiarity with mathematical principles underlying scientific computing (such as optimization, minimization, Fourier analysis, matrix manipulations).

Preferred Knowledge, Skills, and Abilities:

- Experience with Python scientific programming (numpy, scipy, etc.).
- Experience with data acquisition, collection, and management in the context of scientific instruments.
- Research experience in nanoscience.
- Knowledge of cluster and distributed computing.
- Experience with simulation and modeling methods and software.

We invite you to apply online at *https://jobs.bnl.gov/* and search for Job #953.

Brown University

Department of Computer Science and Data Science Initiative

Tenure-Track Faculty Members in Data Science
The Computer Science (CS) Department and the Data Science Initiative (DSI) at Brown University invite applications under a focused cluster hiring plan for multiple tenure-track or tenured positions in data science. This year, we are seeking applications in the following sub- areas, broadly construed:

- **Machine learning,** including but not limited to machine-learning theory and algorithms; machine learning for speech, vision, robotics and text; deep learning, reinforcement learning, and data mining.

- **Data science systems,** including but not limited to large-scale data management; systems, tools, and languages for machine learning, data analytics, and data mining.

The successful candidates will be affiliated with the DSI and will have their tenure homes in the CS Department.

DSI is a university initiative to establish a hub for research and education in the foundational methodologies, domain applications, and societal impacts of data science. DSI brings together five core intellectual units: Applied Math, Biostatistics, the Center for Computational and Molecular Biology, Computer Science, and Mathematics, who are closely collaborating to create a rich, multi-disciplinary research and education environment around data science. Brown has committed to significant investment in this initiative as part of its *Brown Together* Capital Campaign, including several new faculty lines as well as significant investment in new space for the Initiative. Successful candidates are expected to actively participate in these ongoing efforts and engage in interdisciplinary research across these and other departments at Brown. The teaching load for these positions is one course per semester, typically an undergraduate course and a graduate course in a given year.

Brown CS offers a vibrant community for both teaching and research, with 28 tenured and tenure-track faculty members, two lecturers, two research faculty, two professors of the practice, and several adjunct and visiting faculty members. Department members frequently take advantage of Brown's interdisciplinary culture via collaborations with numerous other departments and centers, including Africana Studies, Applied Mathematics, Visual Art, Biology, Brain Science, Cognitive Linguistic and Psychological Sciences, Computational Molecular Biology, Computer Vision, Economics, Engineering, Mathematics, Medicine, the Physical Sciences, and Psychology, as well as the Rhode Island School of Design.

Brown University is located in Providence, RI, close to Narragansett Bay, an hour from Boston and about three hours from New York City. Providence has been consistently rated as among the Northeast's most livable cities and is home to diverse intellectual, artistic, and business communities.

We will consider applicants from all ranks. Qualifications for assistant professors include a Ph.D. in computer science or a closely related field (e.g., applied math, statistics) and strong research, mentoring, and teaching credentials. Junior applicants must have completed all requirements for the doctoral degree by the start of the position. Senior candidates should be acknowledged international leaders, with a distinctive record in scholarship and teaching in their respective sub-fields. We encourage applications from women, underrepresented minorities and those who can contribute, through their research, teaching or service, to the excellence, diversity and inclusivity of our academic community. We also encourage the candidates to report any relevant experience and plans in their teaching statements.

Applicants should submit the following materials via *https://apply.interfolio. com/46338*: cover letter; current curriculum vitae; separate statements of research and teaching interests; and three letters of reference. Instead of reference letters, senior candidates should submit five names of references whom the search committee may contact. Applications will be considered until the position is filled but we strongly encourage the candidates to submit complete applications (including reference letters) by December 1, 2017 for full consideration.

Inquiries may be addressed to *faculty_search_2018@lists.cs.brown.edu*.

Brown University is committed to fostering a diverse and inclusive academic global community; as an EEO/AA employer, Brown considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, or any other legally protected status.

Brown University

Department of Computer Science

Lecturer, Professor of the Practice, or Research Professor (with Teaching) Positions Available

The Department of Computer Science at Brown University seeks applicants for faculty position in the tracks of lecturer, senior lecturer, professor of the practice, or professor (research) at all ranks. Lecturers, senior lecturers, and professors of the practice are expected to teach four courses per year for a full-time appointment, or two or three courses per year for a part-time appointment. Faculty holding the title professor (research) are expected to teach two courses (half-time effort) and are expected to cover the remainder of their time with sponsored research (optionally to be done in conjunction with a departmental research group). We will consider applications at all ranks. The initial appointment would be for a 3-year period (renewable with potential for promotion).

These positions involve teaching undergraduate courses and advising undergraduate CS majors. At least some of the teaching would be in first- or second-year courses; upper-level undergraduate teaching opportunities will depend on a candidate's expertise and department needs.

Brown's Computer Science department offers a vibrant community for both teaching and research, with 28 tenured and tenure-track faculty members, two lecturers, two research faculty, two professors of the practice and several adjunct and visiting faculty members. The department has a strong undergraduate culture, anchored by a mature, endowed program for undergraduate teaching assistants, as well as a long history of published undergraduate research (which the advertised positions are welcome to supervise). Research and graduate programs leverage disciplinary strengths in CS as well as Brown's broader interdisciplinary culture. CS is a founding partner in multiple university-wide initiatives including Data Science, Computational and Molecular Biology, Cybersecurity, and Human-Centered Robotics. The positions are expected to start in the fall of 2018. In selecting candidates, we will consider evidence of effective teaching (some experience with larger courses preferred), and compatibility with the needs and interests of the department, as well as potential for effective participation in department or university committees and activities. Research quality and fit will also be considered for professor (research) applicants. For all applicants, we will consider potential for impact beyond Brown (through teaching, research, or professional activities, as appropriate for the candidate).

Applicants must have a PhD or substantial relevant experience by the start of the position. Applicants must submit a CV, contact information for three reference-letter writers, a teaching statement, and an additional statement describing either research or other professional activities beyond classroom instruction (as appropriate for the candidate's background and interests). Candidates for research-professor positions may submit contact information for up to two additional references focused on research. Cover letters should clearly state the position configuration(s) in which the applicant is interested.

Brown University is committed to fostering a diverse and inclusive academic global community; as an EEO/AA employer, Brown considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, or any other legally protected status. The department is similarly committed to building a diverse faculty and strongly encourages women, underrepresented minorities and those who can contribute to the excellence, diversity and inclusivity of our academic community. We strongly encourage the candidates to report any relevant experience and plans in their teaching statements.

Brown University is located in Providence, RI, close to Narragansett Bay, an hour from Boston and about three hours from New York City. Providence has been consistently rated among the Northeast's most livable cities and is home to diverse intellectual, artistic, and business communities.

To apply, please use Interfolio: (*https://apply.interfolio.com/46272*). Applications will be considered until the position(s) are filled but we strongly encourage the candidates to submit complete applications by December 1, 2017 for full consideration. Inquiries may be addressed to: *teaching_faculty_search_2018@lists.cs.brown.edu.*

Brown University

Postdoctoral Fellow

ICERM has one opening for its 9-month appointment, commencing in September 2018. The Institute Postdoc will be a researcher-in-residence during the fall 2018 semester, and will participate in the spring 2019 "*Computer Vision*" semester program (*https://icerm.brown.edu/programs/sp-s19/*).

ICERM will match the Institute Postdoc with a faculty mentor for the entire academic year. The Institute Postdoc receives a nine-month salary of $52,000, plus a stipend for benefits and a travel allowance of $1,500.

Semester Postdoctoral Fellowships-ICERM has five openings for this 4-month semester position. These appointments are intended for those who would like to participate in the spring 2019 semester program: "*Computer Vision*" (*https://icerm.brown.edu/programs/sp-s19/*).

ICERM will match Semester Postdocs with faculty mentors for the duration of the spring semester. ICERM Semester Postdocs receive a salary of $26,000 over the four months, plus a stipend for benefits, and a travel allowance of $750.

Eligibility: applicants must have completed their Ph.D. within three years of the start of the appointment.

Applications accepted at: *https://www.mathjobs.org/jobs/ICERM*

Deadline "for full consideration": January 1, 2018. Applications will remain open until all positions are filled.

Brown University

Tenure-Track Faculty Member in Computational Biology

The Center for Computational Molecular Biology at Brown University (CCMB; *https://www.brown.edu/ccmb*) invites applications for a tenure-track or tenured faculty member in Computer Science who develops and applies analytical and computational approaches to important biological questions. We seek an innovative and accomplished scientist whose research program is motivated by understanding biological systems (for example, genomics, gene expression and regulatory genomics, gene genealogies and macroevolutionary relationships).

For full posting: *http://apply.interfolio.com/44956*

Carnegie Mellon University

Post-Doc Opening in Usable Privacy – Personalized Privacy Assistant Project

Opening for a Post-Doctoral Fellow in Usable Privacy in the School of Computer Science at Carnegie Mellon University. This is to work on the Personalized Privacy Assistant project.

For details, please see: *https://www.privacyassistant.org/static/files/post-doc-opening-2018.pdf*

Carnegie Mellon University

Information Systems Teaching Track Position

Carnegie Mellon University seeks applicants for one or more teaching-track positions in Information Systems, Dietrich College of Humanities and Social Sciences, beginning Fall Semester 2018. This is a career-oriented, renewable appointment with primary responsibilities for teaching and contributions to the educational mission of the college's interdisciplinary, undergraduate Information Systems (IS) degree program. The IS program is world-renowned for its contributions to practice and teaching. Our faculty members are recognized internationally for their expertise and are dedicated to postsecondary education.

Qualifications

A Ph.D. in Information Systems, Human Computer Interaction, Computer Science, or closely related relevant field is required for initial appointment. "ABD" candidates nearing completion of their degree may be considered for conditional appointment.

We will consider applicants knowledgeable in the general area of information systems. There are several broad areas of interest, including but not limited to, software development, mobile computing, information security and assurance, information technology for development, big data and analytics, design of user-centered systems, information technology and sustainability. In general, we give higher priority to the overall originality and

promise of the candidate's work rather than to the sub-area of specialization. A demonstrated record of teaching effectiveness and/or relevant industry experience in particularly is welcomed.

The ideal candidate should be able to teach a range of core undergraduate courses, and develop elective courses of broad interest. See our website for background: cmu.edu/information-systems. Carnegie Mellon offers teaching-track appointments at assistant, associate and full teaching professor.

TO APPLY: visit *https://apply.interfolio.com/47091*

Carnegie Mellon University

Post-Doc Opening in the area of Usable Privacy and ML/NLP

Post-doctoral opening at Carnegie Mellon University to work on Usable Privacy in the School of Computer Science. This opening starts in Spring 2018. Start date is negotiable.

For additional details: see: *https://usableprivacy.org/openings*

Case Western Reserve University

Tenure-Track Faculty Positions in Computer Science

Department of Electrical Engineering and Computer Science

The **Department of Electrical Engineering and Computer Science at Case Western**

Reserve University invites applications for tenure-track positions in Computer Science. Preference will be given to candidates at the assistant professor level, but applications at other ranks will be considered commensurate with experience and qualifications. While exceptional candidates in all areas of Computer Science will be considered, our priority areas include Database, Data Mining, Data Science and Analytics, and Computer systems (Networks, Cyber-Security, Distributed Computing). Current departmental strengths in Computer Science include the Internet of Things, Bioinformatics, Software Engineering, Networks and Distributed Systems, and Artificial Intelligence and Machine Learning, and we expect a successful candidate to be synergistic with these strengths.

Applicants should have potential for excellence in innovative research. All successful candidates are expected to develop a vibrant, high-quality externally sponsored research program, supervise graduate students, and interact and collaborate with faculty across the department and campus. Applicants should have a strong commitment to high quality teaching at the undergraduate and graduate levels. Candidates must have a Ph.D. in Computer Science or a closely related field.

Applicants must submit (i) a cover letter, (ii) current curriculum vita, (iii) statement of research interests, and (iv) statement of teaching interests and (v) recommend at least three references. Applications will be reviewed starting immediately and will continue to be reviewed until the position is filled.

Application materials may be sent by email to YoLonda Stiggers at yxs307@case.edu or via mail to:

Computer Science Faculty Search Committee
Dept. of Electrical Engineering and Computer Science
Case Western Reserve University
c/o YoLonda Stiggers (*yxs307@case.edu*)
10900 Euclid Avenue, Glennan 321
Cleveland, OH 44106-7071

Founded in 1826, Case Western Reserve University is a highly-ranked private research university located in Cleveland, Ohio. As a vibrant and up-and-coming city, Cleveland was named one of the top 15 best places to live in the US by timeout.com in 2016. The campus is in the heart of University Circle, a world-renowned area for its cultural vibrancy, hosting the Cleveland Museum of Art (the second highest ranked art museum in the country), Cleveland Orchestra, the Museum of Natural History, Cleveland Institute of Music, and the Cleveland Botanical Garden, as well as two world-class health institutions, The Cleveland Clinic and University Hospitals of Cleveland.

In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and Diversity. Women, veterans, members of underrepresented minority groups, and individuals with disabilities are encouraged to apply.

Case Western Reserve University provides reasonable accommodations to applicants with disabilities. Applicants requiring a reasonable accommodation for any part of the application and hiring process should

contact the Office of Inclusion, Diversity and Equal Opportunity at 216-368-8877 to request a reasonable accommodation. Determinations as to granting reasonable accommodations for any applicant will be made on a case-by-case basis.

Chalmers University of Technology

Fully funded PhD-position; Human-Computer Interaction (HCI)

https://www.chalmers.se/en/about-chalmers/vacancies/Pages/default.aspx?rmpage=job&rmjob=5398&rmlang=UK

The CISPA-Stanford Center for Cybersecurity

Elite Research Career Program Postdoctoral & Faculty Positions (m/f) in Cybersecurity

The CISPA-Stanford Center for Cybersecurity was established as a joint program by CISPA – the Center for IT-Security, Privacy and Accountability at Saarland University (future CISPA Helmholtz-Zentrum i.G.) and Stanford

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香港中文大學
The Chinese University of Hong Kong

Applications are invited for:-

Department of Information Engineering
Professors / Associate Professors / Assistant Professors
(Ref. 170002EJ)

The Department of Information Engineering (IE) has multiple tenure track faculty openings at the level of Professor, Associate Professor and Assistant Professor. In particular, we are looking for strong candidates in the systems area which covers the design and implementation of networking/ distributed systems, cloud, fog and edge-computing, Internet of Things, platforms/ infrastructure for big data analytics and large-scale machine-learning. We are also eagerly seeking new faculty in the areas of AI, machine learning, deep learning, and data science. Outstanding candidates in other areas of information engineering who complement/ supplement our existing strength in communication systems and information theory will also be considered. Further information about the Department can be found at http://www.ie.cuhk.edu.hk.

Applicants should have (i) a relevant PhD degree; (ii) strong commitment to excellence in research and teaching; and (iii) outstanding accomplishments and research potential.

Appointments will normally be made on contract basis for up to three years initially commencing Spring Term or Fall Term of 2018-19, which, subject to performance and mutual agreement, may lead to longer-term appointment or substantiation later.

Applications will be accepted until the posts are filled.

Application Procedure
Applicants please upload the full resume with a cover letter, copies of academic credentials, publication list with abstracts of selected published papers, a research plan, a teaching statement, together with names and e-mail addresses of three to five referees to whom the applicant's consent has been given for their providing reference (unless otherwise specified).

The University only accepts and considers applications submitted online for the posts above. For more information and to apply online, please visit http://career.cuhk.edu.hk.

University in 2016 and is supported by the German Federal Ministry of Education and Research (BMBF).

The Elite Research Career Program intends to offer the very best postdoctoral cybersecurity researchers a unique career path at two of the leading cybersecurity institutes in the world. The program consists of three consecutive phases:

- a preparatory 1-2-year postdoctoral phase (Phase P) at CISPA, followed by
- a 2-year appointment at Stanford University (Phase I) as a visiting assistant professor, followed by
- a 3-year position at CISPA as a junior research group leader (Phase II).

Applicants to the program must have completed a distinguished PhD and demonstrated their potential to become future leaders in their field of research. Outstanding candidates are considered for fast track tenure-track positions at CISPA after their return from Stanford.

Applicants should submit their CV, copies of their school and university reports, a list of publications highlighting their five most relevant ones, names of 3-5 references, a brief description of their previous research, and a research proposal outlining their research vision. Please send them as a single PDF file to: *application@cispa-stanford.org.*

Application deadline: February 28, 2018.

We intend to arrange future rounds of application periodically.

More information: *https://www.cispa-stanford.org*

The College of New Jersey

Tenure-Track Assistant or Associate Professor Faculty Position

The Department of Computer Science at The College of New Jersey (TCNJ) invites applications for a tenure-track Assistant or Associate Professor faculty position in computer science starting August 2018. Candidates must have a Ph.D. in Computer Science, or a closely related field (ABDs will be considered only if the degree will be completed prior to the start date); demonstrated excellence in teaching; and a strong commitment to the education of, and research with, undergraduates.

The Computer Science program is ABET CAC-accredited, offers state-of-the-art laboratories and equipment, and is housed in the new TCNJ STEM building starting in Fall 2017. Founded in 1855, TCNJ is a highly selective public institution that has earned national recognition for its commitment to excellence.

For more details go to: *https://chm.tbe.taleo.net/chm03/ats/careers/v2/viewRequisition?org=TCNJ&cws=37&rid=246*

To apply please use the following email: *cs@tcnj.edu*

College of the Holy Cross

Full-Time Visiting Faculty Position in Computer Science

The Department of Mathematics and Computer Science at the College of the Holy Cross invites applications for a visiting full-time faculty appointment, to begin August 2018. This position is approved for 2 years, and may be extended 1–3 years contingent upon performance and departmental needs. All full-time positions include full benefits with support for conference travel and relocation costs. A Ph.D. in computer science or a closely related field is preferred.

Review of applications will begin January 15, 2018. Questions may be directed to Kevin Walsh, *kwalsh@holycross.edu.*

For more information and to apply, please visit *https://apply.interfolio.com/47442.*

The College is an Equal Employment Opportunity Employer and complies with all Federal and Massachusetts laws concerning equal opportunity and affirmative action in the workplace.

Colorado State University

Department of Computer Science – Faculty Position in HCC SE Starting Fall 2018

The Department of Computer Science at Colorado State University (CSU) invites applications for a tenure track position at the level of Assistant Professor beginning in August 2018. Exceptional candidates at the Associate Professor level will also be considered. A Ph.D. in computer science or a related field and a commitment to high-quality research and teaching in computer science are required. The search is open to applicants in all areas of computer science pertaining broadly to human-centered computing or software engineering. Applicants should have the ability to establish their own successful research program as well as to work in collaboration

with others. Applicants should also have the ability to contribute to the development and teaching of computer science courses.

Applications must include a cover letter, detailed CV, research and teaching statements, and contact information for three professional references. Materials should be submitted to *https://jobs.colostate.edu/postings/50832*. Applications completed by December 15, 2017 will receive full consideration, but applications will be accepted after this date until the position is filled.

Colorado State University is an EO/EA/AA employer and conducts background checks on all final candidates.

Colorado State University

Department of Computer Science – Colorado State University

Faculty Position Starting Fall 2018

The Department of Computer Science at Colorado State University (CSU) invites applications for a tenure-track position at the level of Assistant Professor beginning in August 2018.

Exceptional candidates at the Associate Professor level will also be considered. A Ph.D. in computer science or a related field and a commitment to high-quality research and teaching in computer science are required. The search is open to applicants in all areas of data science and machine learning in support of a data science initiative that spans multiple departments in the College of Natural

Sciences. Applicants should have the ability to contribute to the development and teaching of computational data science courses at all levels in collaboration with data science partners in Mathematics and Statistics. (The Department of Statistics is also conducting a search for a data science position; see *https://jobs.colostate.edu/postings/50374* for details.)

Applications must include a detailed CV, research and teaching statements, and contact information for three professional references. Materials should be submitted to *https://jobs.colostate.edu/postings/50586.* Applications completed by December 15, 2017 will receive full consideration, but applications will be accepted after this date until the position is filled.

Colorado State University is an EO/EA/AA employer and conducts background checks on all final candidates.

Columbia University

Assistant Professor Positions in the Department of Computer Science

Columbia Engineering invites applications for faculty positions in the Department of Computer Science at Columbia University in the City of New York. Applications at the assistant professor level will be considered.

Applications are sought in all areas of computer science, with particular emphasis on, but not limited to, the following areas: Computer Systems (with an emphasis on Software Engineering, Security, and Cyberphysical Systems);

Machine Learning; and Natural Language Processing/Speech. Candidates must have a Ph.D. or its professional equivalent by the starting date of the appointment. Applicants for this position at the Assistant Professor without tenure level must demonstrate the potential to do pioneering research and to teach effectively.

The successful candidate is expected to contribute to the advancement of their field and the department by developing an original and leading externally funded research program, and by contributing to the undergraduate and graduate educational mission of the Department.

For additional information and to apply, please see: *academicjobs.columbia.edu/applicants/Central?quickFind=65411*

Applications should be submitted electronically and include the following: a cover letter, current CV, teaching statement, brief summary of research, and three letters of recommendation. At least two of the letters of recommendation must address teaching ability. Review of applications will begin on December 1st, 2017 and will continue until the positions are filled.

Applicants can consult *www.cs.columbia.edu* for more information about the department. A Ph.D. or DES degree at the time of appointment is required.

Columbia is an affirmative action/equal opportunity employer with a strong commitment to the quality of faculty life.

Columbia University

Lecturer in Discipline Positions in the Department of Computer Science

The Department of Computer Science at Columbia University in the City of New York invites applications for faculty at the rank of Lecturer in Discipline beginning in the 2018-19 academic year. Lecturers in Discipline are full-time non-tenure-track faculty members whose primary responsibility is teaching. The Department of Computer Science is committed to hiring outstanding teachers to support the growing needs of its exceptionally strong graduate and undergraduate programs. Teaching responsibilities for lecturers include courses throughout the graduate and advanced undergraduate computer science curriculum with a typical teaching load of two courses per semester.

For additional information and to apply, please see:
academicjobs.columbia.edu/applicants/Central?quickFind=65410

Applications should be submitted electronically and include the following: a cover letter, current CV, teaching statement, brief summary of research, and three letters of recommendation. At least two of the letters of recommendation must address teaching ability. Review of applications will begin on December 1st, 2017 and will continue until the positions are filled.

Applicants can consult *www.cs.columbia.edu* for more information about the department. A Ph.D. or DES degree at the time of appointment is required.

Columbia is an affirmative action/equal opportunity employer with a strong commitment to the quality of faculty life.

Creighton University

Assistant Professor of Computer Science

Creighton University invites applications for a tenure-track faculty position in Computer Science at the Assistant Professor level. We seek an individual with the potential to be an excellent teacher-scholar and an exemplary mentor for undergraduate students. The CS program is housed in the innovative, cross-disciplinary Department of Journalism, Media & Computing. See *http://jmc.creighton.edu/jobs* for details. EO/AA Employer: M/F/Disabled/Vet.

CU Boulder

Postdoctoral Position (2-Year) at University of Colorado, Boulder (Apply by January 31, 2018)

Postdoc in the theory group (*https://www.colorado.edu/cs-theory/*) hosted by Alexandra Kolla (spectral graph theory, Unique Games, convex programming, quantum) and Joshua Grochow (geometric complexity, group isomorphism, matrix multiplication, complex networks).

Boulder is a great place to live, esp. if you love the outdoors! Great weather, great hiking, biking, skiing, and other outdoor activities.

Website: *https://cu.taleo.net/careersection/2/jobdetail.ftl?job=11598*

Email: *cs-theory@lists.colorado.edu*

DePaul University

Assistant Professor in Software Engineering

DePaul University's School of Computing invites applications for two tenure-track positions at the rank of Assistant Professor to begin in September 2018. We are interested in candidates with expertise in all areas of software engineering. We seek candidates with a commitment to excellence in both teaching and scholarship. Applicants should hold a Ph.D. or equivalent by the date of appointment.

DePaul's School of Computing is a unit of the College of Computing of and Digital Media, an interdisciplinary college with a broad range of innovative programs including Computer Science, Game Development, Human Computer Interaction, Information Security, Predictive Analytics, Software Engineering, and others. Our Master of Science in Software Engineering program is one of the premier software engineering graduate programs in the Midwest. It features concentrations in software development, software architecture, real-time game systems, entrepreneurship & technology leadership. Located in the heart of Chicago's central business district, it supports many dynamic, interdisciplinary research groups and offers an opportunity to forge working

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relationships with industry. The School of Computing includes nearly 60 full-time faculty, more than 3,000 undergraduate majors and graduate students, and offers Bachelor's, Master's, and PhD programs.

DePaul draws students of many backgrounds and cultures from a diverse urban setting, thus we are interested in recruiting and maintaining a diverse group of faculty. Members of all underrepresented groups, women, veterans, and persons with disabilities are invited and encouraged to apply. DePaul University offers equal employment opportunities to all persons in accordance with applicable federal, state and local EEO laws. Positions are contingent upon available budgetary resources.

For priority consideration, application materials must be received by January 2, 2018. Apply at *https://facultyopportunities. depaul.edu/postings/1621*

E-mail Xiaoping Jia at *xjia@cdm.depaul.edu* for additional inquiries.

Required Documents

- Cover letter
- C.V.
- Teaching statement
- Research statement
- Three letters of recommendation

DePaul University

Assistant Professor OR Instructor in Computer Science (Game Programming)

DePaul University's School of Computing invites applications for (a) a tenure-track

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GEORGE MASON UNIVERSITY | **Volgenau School of Engineering**

The Future of Engineering Is Here.

Computer Science Department - Instructional Faculty Positions

The Department of Computer Science, in the Volgenau School of Engineering at George Mason University, invites applications for renewable term, non-tenure track instructor and assistant professor positions beginning fall 2018. As Virginia's largest public research university, Mason has recently achieved Carnegie Research I status and is eager to build on its reputation of conducting research of consequence. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly encourages candidates to apply who will enrich Mason's academic and culturally inclusive environment.

Responsibilities:
Responsibilities include teaching undergraduate computer science courses as well as service duties associated with the department's undergraduate degree programs.

Required Qualifications:
Applicants for assistant professor positions must have received a PhD in computer science or related field by the start date of the position. Applicants with an MS degree in computer science or a related field will be considered for instructor positions. Applicants should possess a strong commitment to and demonstrated excellence in teaching.

Preferred Qualifications:
Preference will be given to candidates with teaching experience. Administrative and/or managerial experience is a plus.

About the Department:
The Volgenau School of Engineering is a fast-growing force for innovation in technology and education. The school enrolls approximately 7,300 students in 35 bachelor's, master's, and doctoral degree programs, including several first-of-their-kind offerings. As part of a nationally ranked research university, the school's faculty conducted more than $22 million in sponsored research in the last year. Located in the heart of Northern Virginia's technology corridor, Mason Engineering stands out for its focus on emerging areas including big data, cybersecurity, healthcare technology, robotics, signals and communications, and sustainable infrastructure.

The Computer Science Department has over 40 faculty members with wide-ranging research interests including artificial intelligence, algorithms, autonomic computing, computational biology, computer graphics, computer vision, databases, data mining, parallel and distributed systems, real-time systems, robotics, security, software engineering, and wireless and mobile computing. The department has more than $8 million in annual research funding and 11 recipients of the National Science Foundation's prestigious CAREER award. For more information on the department, visit our website: *http://cs.gmu.edu/*

For full consideration please submit a faculty application and application materials online at *http://jobs.gmu.edu* for position number F198AZ. To apply, you will need a statement of professional goals including your perspective on teaching (to attach as 'Other Doc'), a complete C.V. with publications and teaching history, and the names of three references. The review of applications will begin on December 15, 2017 and will continue until the positions are filled.

George Mason University is an equal opportunity/affirmative action employer, committed to promoting inclusion and equity in its community. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender identity, sexual orientation, national origin, disability, or protected veteran status.

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GEORGE MASON UNIVERSITY
Volgenau School of Engineering
The Future of Engineering Is Here.

George Mason University
Data Analytics Engineering/Computer Science
Instructional Faculty Position

The George Mason University Department of Computer Science and the Data Analytics Program within the Volgenau School of Engineering invite applications for a non-tenure-track, renewable term faculty position at the rank of Assistant or Associate Professor starting Fall 2018.
The university has an institutional commitment to achieving excellence and diversity among its faculty and staff and encourages candidates who will enrich its academic and culturally inclusive environment to apply.

Responsibilities
Successful candidates will be expected to teach full-time at the graduate level, advise students, participate in all aspects of the Data Analytics Engineering/Computer Science mission, and serve the profession.

Required Qualifications
Applicants must have received a PhD in Computer Science or a related field by the start date of the position, and should have demonstrated potential for excellence and productivity and a commitment to high-quality teaching. The successful candidate needs to have experience teaching in the areas of databases, data mining, data analytics, and data-intensive computing. Candidates with an MS in Computer Science or related field may be considered at the rank of instructor.

Preferred Qualifications
We are particularly interested in candidates that have developed online courses in computer science, databases, data mining, data analytics, and data-intensive computing.

About the Program
The MS in Data Analytics Engineering (DAEN) is an inter-disciplinary program involving eight departments in three colleges and is one of the largest master's programs at Mason. Concentrations in DAEN include: applied analytics, bioengineering, business analytics, data mining, digital forensics, financial engineering, health data analytics, predictive analytics, and statistical analytics. To learn more about the MS DAEN program go to
https://volgenau.gmu.edu/program/view/20563

Instructions to Applicants
For full consideration applicants must apply for position number F210AZ at http://jobs.gmu.edu/; complete and submit the online application; and upload a statement of professional goals including their perspective on teaching and research (attach as 'Other Doc'), a complete C.V. with publications, and the names of three professional references with contact information. For full consideration applicants must apply by January 15, 2018, however applications will continue to be reviewed until the position is filled.

George Mason University is an equal opportunity/affirmative action employer, committed to promoting inclusion and equity in its community. All qualified applicants will receive

position in Computer Science at the rank of Assistant Professor or (b) an instructor (renewable) in game programming. Successful candidates will be part of one of the fastest growing and most highly recognized game design programs in the country: Animation Career Review 2017 rated our programs 1st in the Midwest and 11th nationally; Princeton Review 2017 ranked our undergraduate program 18th nationally, and our graduate program 10th nationally.

Our program is part of the College of Computing and Digital Media (CDM), located in the heart of Chicago's Loop, the central business district of Chicago. Our degree programs feature concentrations in programming and game design, are highly cross-disciplinary, and are linked closely with our programs in Animation, Interactive Media, Computer Science, Software Engineering, Digital Cinema and Computer Graphics.

Ideal candidates for these positions will have an active interest in game programming and have experience in one or more of the following areas:

- Game Software Development/Software Engineering
- Game Engine Programming
- Mobile/Console Game Programming
- Game AI/Game Physics
- Computer Graphics
- Augmented Reality/Virtual Reality

Candidates for the tenured track position should have a PhD or equivalent. Candidates without a terminal degree are eligible for a full-time instructor (renewable) position and are encouraged to apply. Rank and salary are commensurate with qualifications and experience.

For priority consideration, application materials must be received by January 1, 2018. Applications should include a CV, teaching statement, research statement, three letters of recommendation, and a cover letter.

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Apply at *https://facultyopportunities. depaul.edu/postings/1698*

For more information contact: *GameProgramming@depaul.edu*

Drexel University

College of Computing & Informatics – Senior Associate Dean for Academic Affairs

The College of Computing & Informatics, Drexel University, is seeking a Senior Associate Dean for Academic Affairs. Reporting to the Dean of the College, the Senior Associate Dean for Academic Affairs is a chief academic and administrative leader for the College, and serves as a key member of the College's leadership team. The Senior Associate Dean for Academic Affairs works in close cooperation with the Dean, the Senior Associate Dean for Research and Operations, the Department Head for Computer Science, and the Department Head for Information Science to sustain and advance the academic mission of the College.

For a full position description and to apply for the job please visit us at *http://drexel. edu/cci/about/jobs-at-cci/sr-associate-dean-for-academic-affairs.*

Emory University

Tenure Track Faculty Position in Computational Mathematics

Emory University's Mathematics & Computer Science Department invites applications for a tenure-track faculty position in Computational

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GEORGE MASON UNIVERSITY | Volgenau School of Engineering
The Future of Engineering Is Here.

**George Mason University
Department of Computer Science—Assistant Professor Tenure-Track Faculty Positions**

The Department of Computer Science in the Volgenau School of Engineering at George Mason University, invites applications for tenure-track assistant professor positions beginning fall 2018. Exceptionally strong senior candidates may also be considered, and must have an established record of outstanding research and excellent teaching. Such candidates will be eligible for tenured associate professor or professor positions. As Virginia's largest public research university, Mason has recently achieved Carnegie Research I status and is eager to build on its reputation of conducting research of consequence. The university has an institutional commitment to achieving excellence and diversity among its faculty and staff and encourages candidates who will enrich its academic and culturally inclusive environment to apply.

Responsibilities:
Successful candidates will be expected to teach at the undergraduate and graduate levels; develop an independent, externally funded research program; advise students; participate in all aspects of the department's mission; and serve the profession.

Required Qualifications:
Applicants must have received a PhD in Computer Science or a related field by the start date of the position and should have demonstrated potential for excellence and productivity in research and a commitment to high-quality teaching.

Preferred Qualifications:
While applicants in all areas of Computer Science will be given serious consideration, we are particularly interested in candidates in the areas of Computer Graphics, Human Computer Interaction, Machine Learning, Artificial Intelligence, Robotics, and Databases.

About Us:
The Volgenau School of Engineering is a fast-growing force for innovation in technology and education. The school enrolls approximately 7,300 students in 35 bachelor's, master's, and doctoral degree programs, including several first-of-their-kind offerings. As part of a nationally ranked research university, the school's faculty conducted more than $22 million in sponsored research in the last year. Located in the heart of Northern Virginia's technology corridor, Mason Engineering stands out for its focus on emerging areas including big data, cybersecurity, healthcare technology, robotics, signals and communications, and sustainable infrastructure.

The Computer Science Department has over 40 faculty members with wide-ranging research interests including artificial intelligence, algorithms, autonomic computing, computational biology, computer graphics, computer vision, databases, data mining, parallel and distributed systems, real-time systems, robotics, security, software engineering, and wireless and mobile computing. The department has more than $8 million in annual research funding and 11 recipients of the National Science Foundation's prestigious CAREER award.

In addition to BS, MS, and PhD programs in Computer Science, the department offers MS programs in Information Systems, Information Security and Assurance, and Software Engineering. It also participates in an interdisciplinary MS in Data Analytics Engineering. For more information on the department, visit our website: http://cs.gmu.edu/.

For full consideration applicants must apply for position number F196AZ at http://jobs.gmu.edu; complete and submit the online application; attach a complete C.V. with publications, statement of teaching interests, statement of research interests, and the names of three professional references. The review of applications will begin January 15, 2018 and continue until the position is filled.

George Mason University is an equal opportunity/affirmative action employer, committed to promoting inclusion and equity in its community. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, gender identity, sexual orientation, national origin, disability, or protected veteran status.

Mathematics, to begin in Fall 2018. Appointments are expected to be at the Assistant Professor level, but truly exceptional candidates may be considered for senior appointments.

Applicants must demonstrate outstanding research ability and have a PhD in Mathematics, Computer Science, or a closely related field. Applicants should also have strong records, or promise, as undergraduate and graduate teachers. Ideal candidates will have interdisciplinary interests that complement and enhance Emory's current and vibrant research strengths in numerical linear algebra, networks, inverse problems, numerical optimization, numerical partial differential equations, and computational fluid dynamics. For more details on Emory's faculty, graduate students, postdocs, research and teaching activities in Computational Mathematics, see *http://www.mathcs.emory.edu/Research/Area/ScientificComputing/*.

Applications consisting of a cover letter, CV, research and teaching statements, and three letters of recommendation directly from recommenders can be submitted via *https://apply.interfolio.com/45261*. Informal inquiries about the position are also invited by email to *compmathsearch2017@mathcs.emory.edu*. Screening starts December 1, 2017, and will continue until the position is filled. For additional information about the department, please see *http://www.mathcs.emory.edu*.

Emory University is an Equal Opportunity/Affirmative Action/Disability/Veteran employer. Women, minorities, persons with disabilities, and veterans are encouraged to apply. Emory University is committed to student and faculty diversity, equity, and inclusion. In your cover letter or in a separate statement, please reflect upon your experience and vision regarding the teaching and mentorship of students from diverse backgrounds.

George Washington University

Tenure Track for Assistant, Associate or Full Professor

The Department of Computer Science at The George Washington University invites applications for two tenure track positions at the Assistant, Associate and Full Professor level, beginning as early as Fall 2018. We seek candidates that can augment or complement existing research strengths in Machine Learning, NLP, Vision, Graphics, Systems, Mobile Networking and Cybersecurity. New faculty will join a vibrant department housed in a new $275M building that encourages interdisciplinary efforts across science and engineering. Current research is supported by federal sources including NSF, NIH, DARPA, IARPA, DOE, and a variety of industrial sources.

The George Washington University is the largest academic institution in the nation's capital. The exceptional location affords the GW community unique cultural and intellectual opportunities, with close access to many federal funding agencies, research laboratories, and one of the largest concentrations of technology companies in the nation.

Minimum Qualifications

A Ph.D. in computer science or a related area by date of appointment is required. Applicants must demonstrate potential for developing a quality research program and for attracting research funding. All applicants must have demonstrated teaching excellence or potential at both the undergraduate and graduate levels.

Responsibilities

Faculty hired into this position will be expected to build a substantial research program, mentor graduate students in research and teach courses at the undergraduate and graduate levels.

Inquiries and Application:

To enquire, please email to *cssearch@gwu.edu* or call 202-994-7181. To apply, complete the online faculty application, at *http://www.gwu.jobs/postings/47834* and upload: (1) a detailed CV or resume; (2) a research statement; (3) a teaching statement; and (4) a cover letter that could describe your goals and why you are applying to this position. Please have your three references email their recommendation letters directly to *cssearch@gwu.edu*. References will be expected to address research and teaching skills necessary for this appointment. Only complete applications will be considered. Review of applications will begin January 8, 2018 and will continue until the position is filled.

EEO/AA Policy:

The George Washington University is an Equal Opportunity and Affirmative Action Employer that does not unlawfully discriminate in any of its programs or activities on the basis of race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity expression, or on any other basis prohibited by applicable law.

Background Screening Statement:
Employment offers are contingent on the satisfactory outcome of a standard background screening.

Georgia Southern University

Assistant Professor of Computer Science

Georgia Southern University's Department of Computer Science invites applications for an Assistant Professor in Computer Science. The full text advertisement, including information about the department, faculty, and the complete position announcement with all qualifications and application instructions, is available at http://ceit.georgiasouthern.edu/facstaff/employment. Screening of applications begins February 1, 2018, and continues until the position is filled.

Georgia is an open records state. Georgia Southern is an AA/EO institution. Individuals who need reasonable accommodations under the ADA to participate in the search process should contact the Vice Provost.

Grinnell College

Three Multi-Year Term Positions (Start Fall 2018)

GRINNELL COLLEGE. The Department of Computer Science invites applications for two three-year term positions and one two-year term position beginning Fall 2018. Ph.D. in Computer Science preferred, but candidates with degrees (e.g., Ed.D., ABD ,or Master's) in closely related fields and relevant experience will be considered. Research and teaching interests might include, but are not limited to: theory, algorithms, systems, AI, HCI, software engineering, programming languages, CS education, data science, security, databases, graphics, parallel and distributed computing, accessibility technology, or social and ethical issues in computing. See http://www.cs.grinnell.edu.

Grinnell College is a highly selective undergraduate liberal arts college with a strong tradition of social responsibility. In letters of application, candidates should discuss their potential to contribute to a college community that maintains a diversity of people and perspectives as one of its core values. To be assured of full consideration, all application materials should be received by February 1. Please visit our application website at https://jobs.grinnell.edu to find more details about the job and submit applications online. Candidates will need to upload a letter of application, curriculum vitae, transcripts (copies are acceptable), a description of scholarly activities, and a teaching statement that includes a description of the ways they plan to support diversity in the department, College, and the discipline. Candidates must also provide email addresses for three references. Questions about this search should be directed to the search chair, Professor Jerod Weinman, at CSSearch@grinnell.edu or 641-269-3169.

Grinnell College is committed to establishing and maintaining a safe and nondiscriminatory educational environment for all College community members. It is committed to a policy of nondiscrimination in matters of admission, employment, and housing, and in access to and participation in its education programs, services, and activities. The college does not discriminate on the basis of race, color, ethnicity, national origin, age, sex, gender, sexual orientation, gender identity or expression, marital status, veteran status, pregnancy, childbirth, religion, disability, creed, or any other protected class.

An offer for this position will be contingent on successful completion of a background check.

Harvard University

Tenure track faculty position in Computer Science

The Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS) seeks applicants for a position at the tenure-track level in Computer Science, with an expected start date of July 1, 2018.

We are accepting applications in all areas of Computer Science, especially machine learning, programming languages, and human-computer interaction.

We seek candidates who have a strong research record and a commitment to undergraduate and graduate teaching and training. We particularly encourage applications from historically underrepresented groups, including women and minorities.

Computer Science at Harvard benefits from outstanding undergraduate and graduate students, world-leading faculty, an excellent location, significant industrial collaboration, and substantial support from the Harvard Paulson School. Information about Harvard's current faculty, research, and educational programs in computer science is available at *http://www.seas.harvard.edu/computer-science.*

The associated Institute for Applied Computational Science (*http://iacs.seas.harvard.edu*) and Data Science Initiative (*https://datascience.harvard.edu/*) foster connections among computer science, applied math, data science, and various domain sciences at Harvard through its graduate programs and events.

A doctorate or terminal degree in Computer Science or a related field is required by the expected start date.

Required application documents include a cover letter, CV, a statement of research interests, a teaching statement, and up to three representative papers. Candidates are also required to submit the names and contact information for at least three and up to five references, and the application is complete only when three letters have been submitted. We encourage candidates to apply by December 1, 2017, but will continue to review applications until the position is filled. Applicants can apply online at *http://academicpositions.harvard.edu/postings/7928*

We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Haverford College

Visiting Assistant Professor in the Department of Computer Science

Haverford College seeks a full-time Visiting Assistant Professor of Computer Science for spring 2018. Applications due November 17, 2017.

For full information and to apply, please visit: *http://apply.interfolio.com/46706*

Hood College

Multiple Positions

Hood College invites applications for the following positions:

Assistant Professor of Management Information Systems (17-0074)

Assistant Professor of Computer Science and Information Technology (17-0075)

Assistant Professor of Computer Science and Information Technology (17-0077)

For more details about this positions and instructions on how to apply, visit *www.hood.edu/jobs*

Hood College, 401 Rosemont Avenue, Frederick, MD 21701

Hood College is committed to diversity in its faculty and staff and subscribes to a policy of hiring only individuals legally eligible to work in the United States. An Equal Opportunity Employer/M/F/Vet/Disability

Hood College does not discriminate on the basis of sex, race, color, national origin, sexual orientation, gender identity or gender expression, marital status, pregnancy, disability, religion, or age in recruitment, admission and access to, or treatment, or employment in its programs, services, benefits, or activities as required by applicable laws including Title IX of the Educational Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973, and complies with the law regarding reasonable accommodation for disabled

applicants and students. Inquiries about discrimination or reasonable accommodation should be referred to the Title IX and Section 504 Coordinator at Alumnae Hall, 401 Rosemont Avenue, Frederick, MD. 21701 (AD 312), (301) 696-3592. For complete information on Hood College's nondiscrimination policy, please visit http://www.hood.edu/non-discrimination/.

Idaho State University

Assistant/Associate Professor, Computer Science (3058)

Posting Number: req490
9 Month Full-Time
Computer Science Engineering
Pocatello – Main

Primary Purpose
Teaching and research in computer science and related areas, and service to the discipline, Department, College, and University.

Key Responsibilities
Teach three courses per semester, conduct research, and publish in quality, peer-reviewed academic journals and conferences. Teaching (50%), Research (35%), Service (15%). Anticipated start date is August 2018.

Minimum Qualifications
- Candidates must have a Ph.D. in Computer Science or related degree by the time of appointment. Exceptional ABDs with teaching experience may be considered. Applicants must demonstrate evidence of independent scholarly activity, indicated by refereed publications, works under review, and/or works-in-progress. All areas of computer science research will be considered. Applicants must be able to conduct high quality teaching at the collegiate level. The successful applicant will be expected to teach a wide range of courses.

- Candidates at the associate level must have a minimum of four years of full-time college or university teaching and research at the rank of Assistant Professor (or equivalent).

Preferred Qualifications
- Preference will be given to candidates with success in obtaining grants and performing externally funded research, experience with program building, practical professional software development experience, and/or experience in health-related teaching or research.

Apply online at https://isu.csod.com/ats/careersite/JobDetails.aspx?id=490

Please submit the following documents with your application:
Cover letter detailing how you meet minimum and preferred qualifications. Curriculum Vitae listing all published, accepted, or submitted publications and grant proposals as P.I. or co-P.I. List of CS courses taught along with evidence of teaching excellence. Statement of research. Three letters of recommendation, one of which should focus on teaching, with contact information.

Position will remain open until filled. Salary will be commensurate with education and experience. Includes a competitive benefits package. Offers of employment may be conditional pending successful completion of a background investigation.

Idaho State University is an equal opportunity/affirmative action employer. We have an institution-wide commitment to inclusion and diversity and encourage all qualified individuals to apply. Veterans' preference. Upon request, reasonable accommodations in the application process will be provided to individuals with disabilities.

Illinois Institute of Technology

Assistant Professor

The Department of Computer Science at Illinois Institute of Technology seeks applications for tenure-track positions starting in Fall 2018, with a preference for appointment at the rank of Assistant Professor, although extremely highly-qualified candidates may be considered for appointment at higher rank. Exceptional candidates may also be considered for a Chris Gladwin Junior Development Chair.

Applicants must have a Ph.D. in computer science or a closely related field, demonstrated excellence in research, a record of attracting external research funding appropriate to their rank, and a strong commitment to teaching. While excellent candidates from all areas of

computer science will be considered, candidates in Programming Languages, Security, Database, Data Science, and Computer Systems are especially encouraged to apply.

The Department of Computer Science at Illinois Institute of Technology has recently received a major gift and is in the middle of significant growth in enrollments and hiring as well as space and infrastructure improvements. The Department offers B.S, M.S., and Ph.D., degrees in Computer Science, and several of its faculty members are NSF CAREER Award winners and IEEE/ACM/AAAS fellows.

Illinois Institute of Technology, located within 10 minutes of downtown Chicago, is in the final stages of a successful capital campaign that has led to the creation of several endowed positions, increased funding for scholarships, and construction of the new Ed Kaplan Family Institute for Innovation and Tech Entrepreneurship.

Evaluation of applications will start on December 1, 2017 and continue until the position(s) are filled. Illinois Institute of Technology is an EEO/AA/Title VI/Section 504/ADA/ADEA employer committed to enhancing equity, inclusion and diversity within its community. It actively seeks applications from all individuals regardless of race, color, sex, marital status, religion, creed, national origin, disability, age, military or veteran status, sexual orientation, and/or gender identity and expression. All qualified applicants will receive equal consideration for employment. Applicants should apply online at: *https://academicjobsonline.org/ajo/jobs/10406*.

Illinois Wesleyan University

Tenure-Track Position in Computer Science

The Department of Computer Science at Illinois Wesleyan University (IWU) invites applications for a tenure-track position at the rank of Assistant Professor starting August 1, 2018. IWU is an equal opportunity employer committed to a diverse workforce, and the department is committed to supporting a culturally and academically diverse professoriate; we encourage applications from members of underrepresented groups and from practicing computer scientists with doctorates in other fields (this position requires a PhD completed by August, 2018).

Illinois Wesleyan is a highly-selective, undergraduate, liberal arts university of approximately 1650 students. Our primary focus is on the students, and so the primary responsibilities of the position revolve around teaching six courses per year (typically 3 per semester) and mentoring/advising undergraduates. The university and department are committed to the recruitment, inclusion, and success of an increasingly diverse and international student body, and candidates are urged to highlight any experience or background that may help them contribute to these goals in their application materials.

Faculty at IWU have active research programs that can be supported by internal grants and other initiatives within the university, including administrative support for seeking external grants. Undergraduate involvement in faculty research is common and encouraged.

The Computer Science department at IWU is a small but growing department with roughly 50 majors and three full-time faculty. Colleagues in the department are happy to provide mentoring and past course materials, and the university actively supports faculty development. Shared governance is a core value both for the institution and for the department, and the successful applicant can expect to share in guiding the department's curriculum, policies, and initiatives.

Please see additional information and instructions for applying at *https://www.iwu.edu/human-resources/comp-science-ttrack-2018-19.html*.

Review of applications will begin on December 15, 2017 and will continue until the position is filled. Questions can be directed to Mark Liffiton, chair of Computer Science, at *cssearch@iwu.edu*.

IMDEA Software Institute

Tenure-track Faculty Positions

The *IMDEA Software Institute* invites applications for multiple tenure-track (Assistant Professor) faculty positions. We are primarily interested in recruiting excellent candidates in the areas of *Data Science*, including machine learning; *Privacy*; and *Systems*, including parallel and distributed systems, embedded systems, hybrid and heterogeneous architectures, etc. However, we are open to other areas within the general research focus of the Institute. Tenured-level (Associate and Full Professor) applications will also be considered.

The primary mission of the IMDEA Software Institute is to perform research of excellence at the highest international level in the area of software development technologies. It is one of the highest ranked institutions worldwide in its main topic areas.

Selection Process

The main selection criteria will be the candidate's demonstrated ability and commitment to research, the match of interests with the institutes' mission, and how the candidate complements areas of established strengths of the institute. All positions require a doctoral degree in Computer Science or a closely related area, earned by the expected start date. Candidates for tenure-track positions will have shown exceptional promise in research and will have displayed an ability to work independently as well as collaboratively. Candidates for tenured positions must possess an outstanding research record, have recognized international stature, and demonstrated leadership abilities. Experience in graduate student supervision is also valued at this level.

Applications should be completed using the application form at:
https://careers.imdea.org/software/

For full consideration, complete applications must be received by January 15, 2017 although applications will continue to be accepted until the positions are filled.

Working at the IMDEA Software Institute

The institute is located in the vibrant area of Madrid, Spain. It offers an ideal working environment, combining the best aspects of a research center and a university department. Its researchers can focus on developing new ideas and projects, in collaboration with world-leading, international faculty, post-docs, and students. Researchers also have the opportunity (but no obligation) to teach university courses. The institute offers institutional funding and also encourages its members to participate in national and international research projects. The working language at the institute is English.

Salaries at the Institute are internationally competitive and established on an individual basis. They include social security provisions in accordance with existing national Spanish legislation, and in particular access to an excellent public health care system.

Further information about the Institute's current faculty and research can be found at:
http://www.software.imdea.org

The IMDEA Software Institute is an Equal Opportunity Employer and strongly encourages applications from a diverse and international community and underrepresented groups. The institute complies with the European Charter for Researchers.

Indiana University Purdue University Indianapolis

Assistant Professor of Computer and Information Technology

The Purdue School of Engineering and Technology, Indiana University–Purdue University at Indianapolis (IUPUI) invites applications for up to two tenure-track faculty positions in Computer and Information Technology with an anticipated start date of August 1, 2018 or possibly earlier. Applicants should have a strong record of research, show significant potential for establishing and sustaining an externally funded research program, and be committed to teaching both undergraduate and graduate courses.

We are particularly interested in applicants whose research focuses in one of the following areas: i) Cloud Computing or Distributed Computing; ii) Machine Learning and Artificial Intelligence; iii) Pervasive Computing and Web Technologies; and iv) Autonomous Systems.

Applicants whose research complements existing strengths in the department, including topics such as data science, mobile health, and cybersecurity will also be considered, as well as exceptional candidates in other areas. Candidates must have a Ph.D. in computer science, engineering, information technology, or a closely related discipline before the start date.

Applications must include a letter of interest, curriculum vitae, summary of scholarship including teaching and

research interests, and contact information for at least three references. Apply for this position at *http://indiana.peopleadmin. com/postings/4345*. Applications are welcome until the position is filled.

IUPUI is an Equal Opportunity/Affirmative Action educator and employer and affords reasonable accommodations to persons with disabilities.

Kennesaw State University

Assistant Professor or Associate Professor or Professor in the College of Computing and Software Engineering (multiple positions available)

The College of Computing and Software Engineering (CCSE) at Kennesaw State University is hiring multiple faculty at all ranks into the following programs: Computer Science, Information Technology, Software Engineering, and Computer Game Design and Development. We invite you to join us as we take the College to greater levels of excellence in teaching, service, and research. To find out more about the positions and apply, visit *http://ccse. kennesaw.edu/ccse-jobs.php.*

CCSE is home to more than 3,500 students studying Computer Science, Software Engineering, Computer Game Design and Development, and Information Technology within six undergraduate, three masters, ten certificate, and four minor programs. With emphasis on theory and practice, students have experiential learning opportunities

and partner with companies through internships, co-ops, sponsored capstone projects, and theoretical and applied research. Our faculty are experts in a wide range of cutting-edge topics, including usability, requirements elicitation, health informatics, cybersecurity, robotics, simulation and modeling, virtual and augmented reality, and high-performance computing. Faculty have access to world-class facilities and labs. Reflecting our core ideals of stewardship and partnership, CCSE is actively engaged in service-based learning with local nonprofits, schools, and businesses.

A leader in innovative teaching and learning, Kennesaw State University offers more than 150 undergraduate, graduate, and doctoral degrees to its more than 35,000 students. With 13 colleges on two metro Atlanta campuses, Kennesaw State is a member of the University System of Georgia and the third-largest university in the state. The university's vibrant campus culture, diverse population, strong global ties, and entrepreneurial spirit draw students

from throughout the region and from 92 countries across the globe. The university's alumni network is 100,000+ strong. A Carnegie-designated doctoral institution, it is one of the 50 largest public institutions in the country.

Korea Advanced Institute of Science and Technology

Faculty Positions, School of Computing

The *School of Computing* at *Korea Advanced Institute of Science & Technology (KAIST)* seeks outstanding tenure-track faculty candidates in all areas of computer science at the Assistant Professor level. Exceptional applications will

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ISB

Indian School of Business
Positions in Information Systems Area- Academic Year 2017-2018

The Indian School of Business (ISB), is a not for profit, independent, research-driven, global business school with two campuses located in Hyderabad and Mohali, India. A collaborative effort of eminent business leaders, entrepreneurs, and academicians from around the world laid the foundation for the School.

In the year 2001, the School launched its first one year Post Graduate Programme in Management (PGP), equivalent to the 2 year MBA Courses offered by premier Business Schools in India. This year, the 17th Batch has commenced from April 2017. The Indian School of Business is one of the youngest schools to have consistently been ranked among the top business schools globally by the Financial Times Global MBA rankings since 2008.

The Indian School of Business has a unique portfolio faculty model which accommodates a mix of accomplished resident faculty who have graduated from the best universities, primarily in the USA, Europe, Singapore and India, and have published in leading academic journals in their respective fields, and visiting faculty from our associate schools, namely the Wharton School, the Kellogg School of Management, the London Business School, MIT Sloan School of Management, and The Fletcher School as well as other leading business schools. The Senior faculty members from our associate schools are designated as Area Leaders. They play a key role in the academic programmes and research at ISB. In consultation with the resident faculty, they actively engage in formulating the curriculum, attracting the best faculty to the School, mentoring junior faculty, and providing direction to research in the relevant subject areas. The School also provides a vibrant research environment that attracts, supports and benefits from the Visiting scholars it hosts every year.

The Indian School of Business invites applications for full time clinical and tenure-track faculty positions in the area of Information Systems at all levels – *Assistant (tenure track and clinical), Associate (tenure-track or tenured and clinical), and Full Professor (tenured and clinical) for appointments in the 2018-2019 academic year which begins in April, 2018*. Applicants must have a PhD from a reputed institution, have excellent research and teaching skills, demonstrate ability to produce scholarly work at the highest level, as well as show the capability of becoming outstanding teachers. Applicants for senior appointments should have published extensively in top-tier refereed journals and have a proven track record of successfully mentoring junior faculty. As an institution aspiring to be counted among the top 10 in the world, ISB offers a unique opportunity for its senior faculty members to exert considerable influence over the culture and ethos of the School.

The Indian School of Business has a tenure system similar to the top schools in United States and is an equal opportunity employer. The compensation and the teaching loads are competitive. The research support includes excellent infrastructure, research funding and research assistance which compare favorably with those at the best business schools in United States and Europe.

Ideally the candidates should plan to join by April 2018 (negotiable).

Interested candidates are requested to send their CV, sample publications and working papers as well as arrange for three reference letters, in electronic form only, to:

Email: is_recruiting@isb.edu with a copy to Professor Deepa Mani - deepa_mani@isb.edu

Faculty members from the ISB will be available for initial meetings at the Annual INFORMS Meeting in Houston, October 22-25, 2017 as well as during ICIS in Seoul, South Korea, December 10-13, 2017. To be considered for meetings in INFORMS, candidates are strongly encouraged to submit their material by October 20, whereas for meetings in ICIS, the material may be submitted by December 8.

also be considered for the Associate and Full Professor levels.

Key Requirements

Applicants must demonstrate excellent research and scholarship potential, as well as strong commitment to teaching. Applicants should complete their PhDs and obtain the final degree before the official appointment, if not at the time of their application.

Online Application

The School of Computing accepts and reviews applications all year around. Online applications should include the following:

- A formal application in the designated application form
- Curriculum Vitae
- Research and Teaching Statements
- Three letters of reference (sent directly to *facultysearch@cs.kaist.ac.kr*)
- Academic transcripts at all levels (BS/E, MS/E, and PhD)
- Certificates for all degrees
- Five representative publications

and be submitted to the *online application page.* The application form is available from the linked page.

Academic Environment

The Department of Computer Science at KAIST was founded in 1971 and expanded to the School of Computing in 2015: it is currently home to 48 faculty members as well as 443 undergraduate and 566 graduate students. It offers an exciting academic environment with world leading research activities. In addition to the

undergraduate, major, master's, and doctoral program, the school also encompasses the Graduate School of Information Security and the Graduate School of Web Science Technology. Undergraduate students can also enrol in Software Intensified Program, funded by the Ministry of Science, ICT &

Future Planning. In 2017, the School of Computing was ranked at the 33rd in the QS World University Rankings for Computer Science and Information Systems.

KAIST was founded in 1971 to establish a model of research focused university as well as to educate the elites in science

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INDIANA UNIVERSITY
SCHOOL OF INFORMATICS, COMPUTING, AND ENGINEERING

Faculty Positions in Intelligent Systems Engineering

The School of Informatics, Computing, and Engineering (SICE) at Indiana University (IU) Bloomington invites applications for multiple open rank tenured/tenure track faculty positions to begin in Fall 2018 in **Intelligent Systems Engineering (ISE)**. Duties include research, teaching, and service.

ISE is an innovative new program, currently with 19 faculty, that focuses on the intersection of sophisticated computing methods and information technology with critical engineering problems. Current foci include bioengineering, computer engineering, robotics and cyberphysical systems, molecular and nanoscale engineering, environmental engineering, neuro-engineering, and intelligent systems. ISE reflects a top priority for Indiana University, with an expected $120 million investment and search under way for an Associate Dean for Engineering. We are particularly interested in hiring faculty whose research develops and applies advanced computational approaches, especially **intelligent systems, applied machine learning and artificial intelligence, cloud computing, cyberphysical systems, computer engineering, and systems security engineering** to address important problems in any of these areas**.**

The department offers BS and Ph.D. degrees which started in fall 2016, and an MS degree has just been approved. The engineering program draws upon IU Bloomington's considerable education and research strengths such as biology, business, chemistry, computer science, environmental science, informatics, law, medicine, music, physics, network science, optometry, psychological and brain sciences, speech and hearing sciences, and statistics. New faculty will have considerable opportunity and responsibility to shape the development of curricula and research. There is a strong emphasis on world-class research, built around focused laboratories and proactively involving undergraduates. More information can be found at https://www.engineering.indiana.edu

Applicants should have an established record (for senior level) or demonstrable potential for excellence (for junior level) in research and teaching, and a PhD in a related field expected before August 2018.

Interested candidates should review the application requirements and submit their application at: https://indiana.peopleadmin.com/postings/4613

For full consideration, applications are due by January 1, 2018, but applications will be considered until the positions are filled.

Questions may be sent to isechair@indiana.edu

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation or identity, national origin, disability status or protected veteran status.

and technology, then critically needed by the country. Since its birth, KAIST has successfully grown into a highly respected member of the global science community, ranked as the 6th of the World's Most Innovative Universities by Reuters in 2016 (1st in Asia). In 2016, KAIST was also ranked at the 3rd in QS World University Rankings for universities under 50 years old.

KAIST stands by gender equality in employment. Female candidates are strongly encouraged to submit applications.

La Salle University

Tenure-Track Assistant Professor of Computer Science

La Salle University invites applications for a Tenure-Track Assistant Professor of Computer Science in the Department of Mathematics and Computer Science, beginning in the fall of 2018. A Ph.D. in Computer Science or a related field is required. The successful candidate's primary teaching responsibilities will be to our undergraduate programs in Computer Science and Information Technology. The ability to teach in one or more of our online masters programs in Computer Information Science, Information Technology Leadership, Cybersecurity, and Analytics is also required. In addition to these teaching responsibilities, the successful candidate will be expected to advise students and participate in service to the department and university.

Send cover letter, curriculum vitae, statement of teaching philosophy, and statement of research in a single PDF file to *cscsearch@lasalle.edu* addressed to

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INDIANA UNIVERSITY
SCHOOL OF INFORMATICS, COMPUTING, AND ENGINEERING

Faculty Positions in Precision Health and Computing

The School of Informatics, Computing, and Engineering (SICE) at Indiana University (IU) Bloomington invites applications for multiple tenure-track assistant professor positions beginning in Fall 2018, as part of the IU Precision Health Initiative. Duties include research, teaching, and service. Future colleagues will be part of an interdisciplinary research team investigating the biological, environmental, and physical attributes that impact disease. IU has invested $120 million to transform medicine and the delivery of health interventions in Indiana.

Applications are sought in four areas:
• Environmental sensing for health: candidates with experience with personal health sensing - mobile, on-body, or ambient - with emphasis on generating, analyzing, and/or visualizing human generated data
• Agent-oriented machine learning and artificial intelligence with emphasis on probabilistic inference from complex and heterogeneous biomedical and health data
• High-performance computing architectures and systems and Big Data analytics for bioengineering and health/medical science
• Computational systems biology, at a single-cell or multi-cell level, with emphasis on statistical and computational aspects as well as emerging subfields of potential significance in health applications

Applicants should have a demonstrable potential for excellence in research and teaching and a PhD in a related field, expected before August 2018. SICE seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education. The strongest candidates can demonstrate their experience in teaching or working with diverse student populations.

SICE is the first school of its kind and among the largest in the country, with unsurpassed breadth. Its mission is to excel and lead in research, education, and outreach spanning and integrating the breadth of computing, IT and modern engineering. It includes over 110 tenure-line faculty, 1200 graduate students, and 1900 undergraduate majors at IU-Bloomington. It offers PhDs in Computer Science, Informatics, Information Science, and Intelligent Systems Engineering. Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle.

Candidates should review application requirements and apply online at:
https://indiana.peopleadmin.com/postings/4686

For full consideration, applications are due by Dec 1, 2017, but will be considered until positions are filled. Questions may be sent to sicehire+phi-2017@indiana.edu

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation or identity, national origin, disability status or protected veteran status.

Jonathan C. Knappenberger, Ph.D., Associate Professor and Chair, Department of Mathematics and Computer Science. Three letters of recommendation are required and may be sent separately or included with the other materials. At least one of these letters must address the applicant's teaching.

Application review will begin on December 15, 2017 and will continue until the position is filled.

All offers of employment are contingent upon successful completion of background screening checks.

Located in Philadelphia, Pennsylvania, La Salle University is a Roman Catholic university in the tradition of the La Salle Christian Brothers and welcomes applicants from all backgrounds who can contribute to its unique educational mission. For a complete mission statement, please visit our website at *www.lasalle.edu.*

La Salle University is an Equal Opportunity and Affirmative Action Employer. AA/EOE

Lake Superior State University

Tenure-Track Faculty of Computer Science

Lake Superior State University seeks applicants to teach University courses in Web Page Design and Development, Web Graphic Content, Multimedia and Interactive Websites, Database Applications (including web interfaces to databases), Web Applications (Javascript, PHP, ASP.Net), and Web and Network Server Administration (Windows, Linux, Novell). M.S. with 18 hours graduate coursework in Computer Science, Computer Networking, or a related field, and a commitment to undergraduate education.

To apply visit *https://jobs.lssu.edu*

Lawrence Berkeley National Laboratory

NERSC Exascale Science Applications Postdoctoral Fellow (NESAP)

We are looking for highly motivated postdocs to join the NERSC ExaScale Application Readiness Program (NESAP, *http://www.nersc.gov/users/computational-systems/cori/ nesap/*), funded by the US Department of Energy Office of Science (*https://energy.gov/* offices). Fellows will be working in multidisciplinary teams composed of computer, computational, and domain scientists that will transition codes to the Cori system and produce mission-relevant science that truly pushes the limits of high-end computing.

You can apply at *http://50.73.55.13/counter.php?id=112020.*

Faculty Positions in Computer Science and Engineering

The School of Informatics, Computing and Engineering (SICE) at Indiana University (IU) Bloomington invites applications for two faculty positions beginning in Fall 2018 at the assistant professor level in areas relevant to **System and Network Security**, in the Computer Science Department or Intelligent Systems Engineering Department. Duties include teaching, research, and service.

The SICE is the first of its kind and among the largest in the country, with unsurpassed breadth. Its mission is to excel and lead in education, research, and outreach spanning and integrating the full breadth of computing and IT. It includes Computer Science, Informatics, Intelligent Systems Engineering and Information and Library Science, with over 110 tenure-line faculty, 1200 graduate students, and 1900 undergraduate majors on the Bloomington Campus. It offers PhDs in Computer Science, Informatics, Intelligent Systems Engineering and Information Science. Additional information about the School can be found at: https://www.sice.indiana.edu/

Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle. IU is renowned for its top-ranked music school, high-performance computing and networking facilities, and performing and fine arts.

Applicants should have a demonstrable potential for excellence in research and teaching, and a PhD in a relevant area or expected before August 2018.

To apply applicants should submit a letter of interest, CV, a statement of research and teaching, and names and contact information for three references using the link below.

https://indiana.peopleadmin.com/postings/4893

For full consideration applications are due by December 15, 2017, but applications will be considered until the positions are filled.

Questions may be sent to sicehire+SEC-2017@indiana.edu

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation or identity, national origin, disability status or protected veteran status.

Professional Opportunities

Lawrence Berkley National Laboratory

Machine Learning Engineer – 84264

The National Energy Research Scientific Computing (NERSC) Center at Berkeley Lab is seeking a passionate Machine Learning Engineer to collaborate with scientists and conduct applied research and development, outreach and training in Machine Learning for Science. This role will enable Office of Science researchers to benefit from the very latest machine learning and deep learning (ML/DL) techniques, conducted on one of the world's largest supercomputers.

You can apply at *http://50.73.55.13/ counter.php?id=115561*

Lehman College, City University of New York

Assistant/Associate/Full Professor of Computer Science

Lehman College of The City University of New York invites applications at all levels for a computer science faculty position beginning in Fall 2018. Outstanding candidates from all areas of computer science will be considered, but those working in the following research areas are particularly encouraged to apply: machine learning/AI, networks and distributed/data-center-scale computing, security and privacy, robotics, optimization, and human-computer interaction. Candidates at the Associate Professor and Professor levels must have a well-established active research program and an excellent teaching record. Applications from candidates with experience in departmental leadership are

especially encouraged. Candidates at the Assistant Professor level must have completed a Ph.D. in computer science or related field at the time of appointment and must have demonstrated the capacity for excellence both in research and in teaching. The successful candidate will be expected to pursue an active, externally funded research program and to perform high-quality undergraduate teaching and mentoring.

The Department of Computer Science, which was spun off from the Department of Mathematics and Computer Science in Fall 2017, currently consists of seven tenure-track faculty and one lecturer, and plans to expand aggressively in the coming years. The department offers undergraduate (B.S. & B.A.) and graduate (M.S.) degrees. Through a joint appointment on the Graduate Center Doctoral Faculty, the successful candidate will teach and advise Ph.D. students as well. The Department has a strong focus on undergraduate education. Our undergraduates are well prepared to find jobs and internships or to continue graduate education. Recently, the Department formed a partnership with New York City called the "Tech Talent Pipeline," which funds internships for students to gain experience in the tech industry.

King Abdullah University of Science and Technology

Postdoctoral Researcher Artificial Intelligence

We are seeking to fill a position for a postdoctoral researcher at the Computational Bioscience Research Center at King Abdullah University of Science and Technology.

The researchers will work in the research group of Robert Hoehndorf (http://www.kaust.edu.sa/faculty/hoehndorf.html), a research group which is internationally recognized for their work in biomedical data mining, and which has strong collaborations with leading research institutes. The postdoctoral research will work on the development and application of Artificial Intelligence methods in bioinformatics and computational biology, with a particular focus on combining symbolic AI approaches (e.g., ontologies, knowledge graphs, rule-based systems) with machine learning methods.

Requirements:
- A completed PhD and Master degree in a relevant field (Computer Science or related), completed in the last 4 years.
- Proficiency in spoken and written English.
- Programming experience and experience in software development
- Experience, demonstrated by a publication record, in one of the following areas:
  - Machine Learning, Data Mining, Statistics, Data Science
  - Semantic Technologies and Ontologies, Knowledge Representation, Formal Logic
  - Development of novel methods in Bioinformatics or Biomedical data analytics

The postdoctoral researchers will be responsible for carrying out high-level research, including presentation of research results at conferences and in scientific journals.

Postdoctoral researchers are entitled to a competitive salary (commensurate with the applicant's qualifications), free, fully-furnished housing on the KAUST campus, medical and life insurance, international education at KAUST schools for dependent children, and relocation allowance.

KAUST will be responsible for the actual recruiting decision, appointment offers and employment benefits.

How to apply:
To apply, please send your CV, a list of publications, the names and contact details of two references, and a letter of motivation by email to: **robert.hoehndorf@kaust.edu.sa**

Contact:
For any questions related to the position, please contact Robert Hoehndorf (robert.hoehndorf@kaust.edu.sa).

King Abdullah University of Science and Technology (KAUST) is being established in Saudi Arabia, on the Red Sea coastal area of Thuwal, as an international graduate-level research university dedicated to inspiring a new age of scientific achievement that will benefit the region and the world. As an independent and merit-based institution and one of the best-endowed universities in the world, KAUST intends to become a major new contributor to the global network of collaborative research. It will enable researchers from around the globe to work together to solve challenging scientific and technological problems. The admission of students, the appointment, promotion and retention of faculty and staff and all the educational, administrative and other activities of the University shall be conducted on the basis of equality, without regard to race, color, religion or gender. The leading position of KAUST with respect to research output in the region and the world was recognized by the QS World University Rankings 2016-2017, which ranked the University first globally in the category of Faculty Citations. Further information can be found at www.kaust.edu.sa.

FACULTY POSITION COMPUTER SCIENCE & CYBER ENGINEERING

Applications are invited for multiple positions in the Computer Science and Cyber Engineering programs within the College of Engineering and Science (COES) at Louisiana Tech University for highly qualified research faculty and educators. More details about the college and the programs of Computer Science and Cyber Engineering are available at http://coes.latech.edu. The candidate must have earned a Ph.D. in Computer Science, Computer Engineering or a closely related field. Proven research track record, outstanding teaching skills, excellent written and oral communication skills, and a demonstrated commitment to high quality student success are expected. Successful candidates will be expected to perform exceptional research, procure extramural funding to support research, advise graduate and undergraduate students, collaborate with other faculty, and teach effectively both at undergraduate and graduate levels. The programs also have active searches for outstanding lecturers to teach at all levels. http://coes.latech.edu/about-the-college/employment-opportunities.php. To apply, send (1) a cover letter, (2) a detailed curriculum vitae, (3) a statement of research, (4) a teaching statement, and (5) full contact information for at least four references, in a single PDF file electronically to cscfacultysearch@latech.edu with the subject line "CS/CYEN FacultyApplication: <Applicant's Last Name, Applicant's First Name>". Review of applications and nominations will begin immediately, and will continue until suitable candidates are identified. Expected start date is September 1, 2018.

The Lehman College campus is located in Bronx, New York and is a Senior College within the City University of New York (CUNY) system. Lehman is the only four-year public college in the Bronx and is recognized as a Hispanic Serving Institution serving the borough and surrounding region as an intellectual, economic and cultural center. Lehman provides undergraduate and graduate studies in the liberal arts and sciences and professional education within a dynamic research environment. With a diverse student body of more than 13,000, Lehman offers more than 90 undergraduate and graduate programs. Ranked as having the fourth highest mobility rate in the nation by the National Bureau of Economic Research and the Equality of Opportunity Project, Lehman is a proud catalyst for economic and social mobility for its students, almost half of whom are first generation college students.

HOW TO APPLY

In order to be considered for this position, please complete the following three steps.

STEP ONE: Go to *https://goo.gl/SXKZTZ* (CUNYfirst Job ID 17582), click Apply Now, and follow the instructions to register and submit a cv, cover letter, research statement and teaching statement (all in a single PDF file).

STEP TWO: Arrange for three recommendation letters to be sent to *matthew.johnson1@lehman.cuny.edu.*

STEP THREE: Email a copy of the cv, cover letter, research statement and teaching statement (all in a single PDF file) to *matthew.johnson1@lehman.cuny.edu.*

Review of CVs will begin on January 2, 2018 and continue until a candidate has been identified.

CUNY encourages people with disabilities, minorities, veterans and women to apply. At CUNY, Italian Americans are also included among our protected groups. Applicants and employees will not be discriminated against on the basis of any legally protected category, including sexual orientation or gender identity. EEO/AA/Vet/Disability Employer.

Lewis University

Tenure-track Faculty-Computer Science

Lewis University, Romeoville, IL, seeks a full-time, tenure track faculty member of Computer Science at the Assistant Professor rank. This position will begin August 2018. A PhD in Computer Science, Computer Engineering, or Electrical Engineering is required. We are particularly interested in candidates who have a record of coursework and scholarship in computer networking, cyber security, data science and/or embedded computing. Lewis University offers competitive salaries and a complete benefit package.

For more information and to apply visit *http://jobs.lewisu.edu/postings/2736*

Lewis University is an equal opportunity employer, and is committed to diversity. Applicants of a diverse background are highly encouraged to apply.

Loyola University Chicago

Tenure-Track Assistant Professor in Cybersecurity

We invite applications for a full-time, tenure-track position at the rank of Assistant Professor in Cybersecurity for the academic year 2018-19. The department comprises twelve full-time faculty and three joint appointees and maintains an active research program with recent funding from NSF, NIH, and other sources.

Candidates must possess, or be close to completing, a PhD degree in computer science, computer engineering, or a related discipline, and must have strong records in both research and teaching at the undergraduate and/or graduate levels. We encourage candidates in all areas of computer science/engineering to apply, but especially welcome candidates with a strong background in cybersecurity, including all relevant technical areas: cryptography, hardware security, trusted computing bases, software security, network and cloud security, blockchains, human factors, anomaly detection, forensics, and privacy, as well as applications to areas such as finance, healthcare, environmental sustainability, pervasive computing, and cyber-physical systems.

To apply, please follow the instructions available at *bit.ly/luccsjob2018*.

Review of applications will begin November 15th, 2017, and continue until the position is filled. LUC is an Equal Opportunity/ Affirmative Action employer with a strong commitment to hiring for our mission and diversifying our faculty. Applications from women and minority candidates are especially encouraged.

Center for Applied Scientific Computing Division Leader
Science and technology on a mission!

For more than 60 years, the Lawrence Livermore National Laboratory (LLNL) has applied science and technology to make the world a safer place.

We have an opening for a Director/Division Leader to lead a staff of 120 research scientists to meet the goals and objectives of its customers and stakeholders. You will provide management oversight and technical leadership in the Center for Applied Scientific Computing (CASC) Division, specifically in the areas of high-performance computing, mathematics, computer science, and scientific computing.

The CASC serves as LLNL's window to the broader computer science, computational physics, applied mathematics, and data science research communities. In collaboration with academic, industrial, and other government laboratory partners. We conduct world-class scientific research and development on problems critical to national security. CASC applies the power of high-performance computing and the efficiency of modern computational methods to the realms of stockpile stewardship, cyber and energy security, and knowledge discovery for intelligence applications.

As the Director of CASC you will establish a long term tactical plan and provide oversight of research and development activities to ensure the creation, maintenance, and enhancement of underlying core competencies. You will provide leadership and technical direction to effectively manage the division's scientific staff including management and project leads, ensure the team's programmatic milestones and deliverables are met.

The successful candidate will have a Ph.D. in applied mathematics, computer or data science, computational science, or related field. You will also have experience managing and leading a technical organization, including knowledge of strategic planning, organizational dynamics, workforce management processes, financial management, and project/program management.

For full details and to apply please visit **http://apptrkr.com/1117129** and listing number 103073 LLNL is operated by the Lawrence Livermore National Security, LLC for the U.S. Department of energy, National Nuclear Security Administration. We are an equal opportunity employer with a commitment to workforce diversity.

LLNL is an affirmative action/ equal opportunity employer.

Professional Opportunities

Loyola University New Orleans

Lecturer – Computer Science
Start Date: August 2018

The Department of Mathematics and Computer Science at Loyola University New Orleans invites applications for a lecturer position beginning in August 2018. The lecturer position requires at least a Master's degree in Computer Science or related area.

Duties for the lecturer position include teaching four courses and participating in departmental activities. Candidates should demonstrate a commitment to excellence in undergraduate teaching. Priority is given to applications received by January 30, but applications will be accepted until the position is filled. A complete application requires a letter of intent, a curriculum vita, three letters of recommendation, and graduate transcripts for all graduate work.

Direct questions and applications to:

Dr. Ralph P. Tucci, Professor
tucci@loyno.edu
Department of Mathematics and Computer Science
Loyola University New Orleans
New Orleans, LA. 70118

Loyola University New Orleans is committed to creating and maintaining a diverse campus environment. We are proud to be an Equal Opportunity Educational institution and welcome all qualified applicants without regard to race color, religion, gender, sexual orientation, national origin, disability, age, or veteran status.

Lynchburg College

Assistant/Associate Professor of Information Technology

The Computer Science Program in the School of Sciences at Lynchburg College invites applications for a full-time, tenure-track Assistant/Associate Professor position to begin in August 2018. Successful candidates will have a strong commitment to teaching a broad range of information technology courses at the undergraduate level. Duties include teaching, supervising undergraduate research projects, and participating in department and college service. Applicants must have a PhD in Information Technology or related field and a primary interest in teaching undergraduates at a small private college. Selected candidate must pass a background check that is satisfactory to the College.

Interested applicants should send a letter of application, a curriculum vita, statement of teaching philosophy, three letters of reference, and unofficial graduate transcripts to Desi Justis, Lynchburg College, 1501 Lakeside Drive, Lynchburg, Virginia 24501. E-mail applications will be accepted in MS Word or PDF format sent to *justis.d@lynchburg.edu.* Review of applications will begin immediately and continue until the position is filled. EOE.

Marquette University

Director of Ethically Center Data Science

Marquette University is launching a new graduate certificate program in Data Science.

Call it data science, predictive analytics, data analytics; it is mentioned in nearly every review of the top 10 trends in the computing industry.

Marquette University is looking for a full-time director of graduate studies for this new Ethically Centered Data Science certificate program. As the director, you will:

- launch this incredibly relevant and notable program
- help shape the program's content
- market the program
- recruit and advice students
- establish corporate engagement relationships
- teach within the program
- participate in a dynamic university exploring education on the cutting edge of technology.

Preference will be given to candidates with a doctorate in a related field. Candidate's with a master's degree or extensive experience will also be considered.

Applicants must submit a cover letter, a resume/CV, unofficial transcripts, and letters of reference via Marquette University's electronic recruitment system: *http://employment.marquette.edu/postings/8670*

Please direct inquiries to: Dr. Thomas Kaczmarek (*thomas.kazcmarek@marquette.edu*).

Marywood University

Assistant Professor/ Computer Science and Information Security

Marywood University seeks an Assistant Professor (Computer Science and Information Security) for a tenure track position beginning August 2018.

Required: Doctoral degree (by August 2018) in Information Security or Computer Science with a concentration in Information Security; evidence of relevant research, scholarship, and teaching experience. Preferred: research in operating systems, network security, digital forensics, or computer architecture; experience with curriculum development and accreditation. Responsibilities include developing/teaching undergraduate courses in computer science and information security and master's courses in information security. Complete information about the position is available at *http://www.marywood.edu/about/employment/.*

Application review will begin immediately with full consideration if submitted by December 1, 2017. Electronically submit a letter of application, statement of teaching philosophy and research, curriculum vitae, copies of graduate and undergraduate transcripts, and three letters of recommendation to: *fac18pos9@marywood.edu* with CS/INSC Search in the Subject Field.

Michigan State University

Department of Computational Mathematics, Science & Engineering and Department of Computer Science & Engineering

Join Michigan State University's Global Impact Initiative, designed to address the grand challenges through the creation of over 100 new faculty positions in some of the most promising and exciting fields of research. MSU offers an inclusive and collaborative work environment, and welcomes applicants from diverse backgrounds.

To learn more, visit *http://research.msu.edu/global-impact/*

Deep Learning

The Department of Computational Mathematics, Science and Engineering (CMSE) and the Department of Computer Science and Engineering (CSE) at Michigan State University invite applications for a tenure-system faculty position in the broad area of deep learning with a joint appointment in the two departments. Candidates must have an earned PhD in Computer Science and Engineering, Applied and Computational Mathematics, Applied Statistics or related field, with expertise in Deep Learning. The position will be filled at Assistant, Associate or Full Professor level depending on the qualifications and record of the successful candidate. The candidate is expected to establish a sustainable research program, make significant scholarly contributions to their discipline, be an effective teacher and mentor of both undergraduate and graduate students, and engage in institutional and professional service.

While exceptional candidates from all areas of deep learning will be considered, particular interest lies in individuals who seek to extend the boundaries of deep learning methods from both an algorithmic and application perspective. Improved understanding of the theoretical foundations, interpretability of these methods, and their limitations are examples of the algorithm focus, while novel application of these techniques to autonomous vehicles, inverse problems, and biomedical imaging, are examples of some potential applications.

Michigan State University is making a bold new effort by launching the CMSE department, recognizing that computational and data science is a fundamental area of research in the 21st century. The department seeks to create an interdisciplinary environment that fosters a new breed of algorithmists who will address emergent problems in science and engineering, setting the stage for computation to be on the same footing as experiment and theory in its role in scientific discovery.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 470,000. Local communities have excellent school systems and place a high value on education. Michigan State University is proactive in exploring opportunities for employment for dual career couples, both inside and outside the University.

Information about MSU's dual career support can be found at *http://miwin.msu.edu/.*

Information about WorkLife at MSU and the College of Engineering can be found at *http://www.egr.msu.edu/WE.*

Interested individuals should submit an application for this position through: *http://careers.msu.edu/cw/en-us/ job/497972/professortenure-system.* Applicants must submit a detailed resume, a cover letter summarizing their qualifications, vision statements for teaching and research, and at least three letters of reference. We will begin reviewing the applications starting from November 15, 2017. For full consideration, applications must be received before December 15, 2017. Applications will be reviewed on a continuing basis thereafter until the position is filled. Nominations or questions are welcome by contacting the search committee chair through email at *bshanker@egr.msu.edu.* The position is available August, 2018.

Michigan State University has been advancing the common good with uncommon will for more than 160 years. A member of the Association of American Universities, MSU is a research-intensive institution with 17 degree-granting colleges.

MSU is an affirmative action, equal opportunity employer and is committed to achieving excellence through cultural diversity. The university actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities. Job applicants are considered for employment

opportunities and employees are treated without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status.

Microsoft Research

Postdoc in algorithmic economics

Microsoft Research NYC is looking for a postdoc in Algorithmic Economics. This position runs for a two-year term, starting in July 2018. Application deadline is December 1.

More information: *https://www.microsoft. com/en-us/research/opportunity/call-postdocs-algorithmic-economics/.*

Microsoft Research

Researcher

The Algorithms group in Microsoft Research—Redmond invites applications for

1. a postdoctoral researcher position, broadly in the area of Algorithms, including coding theory, optimization, and algorithmic game theory/economics. The position can be for either 1 or 2 years. Anticipated start date: July 1, 2017.

2. A researcher position (all levels), broadly in the area of Algorithms, with special consideration being given to candidates in optimization and related areas (online algorithms, resource allocation, scheduling, routing, graph cuts, network design, etc.).

Microsoft Research offers a special opportunity to work at the cutting

edge of algorithms research, as well as have impact on the next generation of computing technology. We strongly encourage candidates excited by this unique proposition to apply.

Please apply online at *https://careers. research.microsoft.com/* and also have the materials (including letters) emailed to *algoapp@microsoft.com.* Mention either Nikhil Devanur or Sergey Yekhanin as the MSR contact.

To ensure that they receive full consideration, please send all the application materials, including letters, on or before November 30, 2017.

Mississippi State University

Professor and Head Department of Computer Science and Engineering

Applications and nominations are being sought for the Professor and Head of the Department of Computer Science and Engineering (*www.cse.msstate.edu*) at Mississippi State University. The Head is responsible for the overall administration of the department and this is a 12- month tenured position.

Part of the Bagley College of Engineering, the department has approximately 450 undergraduate majors, 80 graduate students, 15 tenured and tenure-track faculty, 2 clinical faculty and 2 instructors. The department offers undergraduate programs in Computer Science and Software Engineering, and jointly administers the undergraduate program in Computer Engineering with the

Department of Electrical and Computer Engineering. At the graduate level, we offer M.S. and Ph.D. degrees in Computer Science and the faculty directs graduate students in Computational Engineering. Certificates in Information Assurance, Cyber Operations and Computational Biology are also available. Research expenditures total about $5.7 million dollars annually and the university as a whole is ranked 71st among U.S. institutions in computer science expenditures. Research core areas for the department are artificial intelligence, computational science, visualization and graphics, bioinformatics, parallel and distributed computing, software engineering, human-robot interaction, augmented and virtual reality, security and cryptography and computer science education. Faculty in the department are active in many university research centers including the Center for Advanced Vehicular Systems, the Distributed Analytics and Security Institute, the Center for Computational Science, and the Institute for Genomics, Biocomputing & Biotechnology. The computer security area has been designated a National Center of Academic Excellence in Information Assurance Education (CAEIAE) by the National Security Agency (NSA).

Mississippi State University is a comprehensive land-grant institution with approximately 20,000 students and about 1,300 faculty members. The university is a leader in high performance computing, housing a supercomputer in the top 20 among U.S. universities. The university's main campus is located in Starkville, Mississippi, a vibrant community

approximately two hours from Jackson MS, Birmingham AL, and Memphis TN.

The successful Head will provide:
- Vision and leadership for nationally recognized computing education and research programs
- Exceptional academic and administrative skills
- A strong commitment to faculty recruitment and development
- A strong commitment to promoting diversity
- Applicants must have a Ph.D. in computer science, software engineering, computer engineering, or a closely related field. The successful candidate must have earned national recognition by a distinguished record of accomplishments in computer science education and research. Demonstrated administrative experience is desired, as is teaching experience at both the undergraduate and graduate levels. The successful candidate must qualify for the rank of professor.

Applicants must apply online by submitting a cover letter outlining your experience and vision for this position, a curriculum vitae, and the names and contact information of at least three professional references. The online applicant site can be accessed by going to *www.msujobs.msstate. edu.* Screening of candidates will begin November 1, 2017 and will continue until the position is filled. Inquiries and nominations should be directed to Dr. Nick Younan, Department Head of Electrical and Computer Engineering and Search Committee Chair (*younan@ece.msstate.edu* or 662-325-3912).

MSU is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, ethnicity, sex (including pregnancy and gender identity), national origin, disability status, age, sexual orientation, genetic information, protected veteran status, or any other characteristic protected by law. We always welcome nominations and applications from women, members of any minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.

Missouri University of Science and Technology, Rolla, MO

Faculty Position in Computer Science

http://cs.mst.edu/

The Department of Computer Science at the Missouri University of Science and Technology in Rolla, Missouri is seeking outstanding applicants for a tenure-track (TT) faculty position in all the areas of computer science at the level of Assistant Professor, stronger candidates at higher levels may be considered. Preference will be given to areas such as cyber-physical systems, cyber security, data science, IoT, smart and connected health, and software engineering. Competitive salary commensurate with the rank and qualifications of the candidates will be offered.

Professional Opportunities

The successful TT candidate will be expected to have a strong commitment to contributing to the departmental research efforts, high-quality teaching both at the undergraduate and graduate levels, and service. Applicants should have a demonstrated excellent record of research publications, external funding, and evidence of high-quality teaching. Applicants must hold a Ph.D. in Computer Science or a closely related field by the appointment start date.

Interested TT applicants must apply at: http://hraadi.mst.edu/hr/employment/ using Reference Number 61042. An application should include 1) a cover letter, 2) a current curriculum vitae, 3) a statement of research and teaching interests and experience, and 4) complete contact information for four references.

Acceptable electronic formats include PDF and MS Word. Applications will be reviewed after they are received and the review of applications continues until the position is filled. More information about the position can be found at: http://cs.mst.edu.

Missouri S&T is an AA/EEO employer. Females, minorities, and persons with disabilities are encouraged to apply.

NEC Laboratories America

Researcher – Data Science

NEC Laboratories America (http://www.nec-labs.com/) conducts research in support of NEC's US and global business. Our lab has a broad research program that

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MONMOUTH UNIVERSITY
West Long Branch, NJ

Associate Professor

Department: Computer Science/Software Engineering

Position Summary:
The Department of Computer Science and Software Engineering at Monmouth University announces three tenure-track positions for the fall 2018 semester:
1. One Associate or Assistant Professor in computer science and/or software engineering with a background in data science.
2. Two Assistant Professors in computer science and/or software engineering, with demonstrable research and expertise in cyber security or related areas.

Candidates must have a PhD degree in computer science or software engineering or other related discipline or ABD status with degree completion expected by date of employment. The successful applicant will teach 9 credits per semester of undergraduate and graduate courses in computer science, software engineering, information systems or information technology (12 credits with a 3 credit load reduction). Candidates are expected to develop a strong, independent research program that integrates undergraduate and graduate student participation. Candidates are expected to actively pursue external funding to support their research efforts.

Monmouth University's Department of Computer Science and Software Engineering offers three undergraduate degrees in Computer Science and Software Engineering (two undergraduate programs are ABET -accredited), and three Master of Science degrees (Computer Science, Software Engineering and Information Systems) which together serve approximately three hundred students. An Information Technology minor and general education course offering services over one thousand students per year. The department is in a period of growth, and is looking for student-centered faculty who will provide Monmouth students with the transformative and enlightening computing education in which we take pride.

We invite applicants with a passion for learning and for stimulating passion in learners of all ages, for inspiring and fostering critical thinking and active learning across undergraduate and graduate student populations, and for guiding and engaging students of all levels in exciting research opportunities provided by computing.

Given our location in the midst of the vibrant Jersey Shore technology corridor, we welcome applicants eager to interact with industry in providing students real-world experiences through cooperative initiatives. Likewise, we invite candidates eager to lead our students and the wider Monmouth University community in emergent interdisciplinary computing opportunities.

Successful candidates will be expected to actively mentor and advise students and serve on committees at the department, school and university levels.

We invite those whose professional goals match our faculty interests to apply. We look forward to reading about your fit for our positions, including opportunities you have provided/will provide for student learning experiences related to your primary research area, innovations in teaching (within the scope of your experiences), leadership qualities, and outstanding communication and interpersonal skills. Monmouth University values diversity and invites applications from underrepresented groups who will enrich the research, teaching and service missions of the university.

We will review applications on a rolling basis, with all applications received by November 15, 2017 receiving our fullest consideration. The application process will remain open until the positions are filled.

Required Degree, License or Certifications:
Doctoral degree, ABD candidates may be considered with degree completion expected by date of employment

Required Skills or Software:
Excellent interpersonal, organizational and communication skills

Other Requirements:
Ph.D. in Computer Science, Software Engineering, or other related discipline.

Log in to **http://apptrkr.com/1108105** to apply and see the job duties for this position no later than the deadline date.

Posting Date: 10/19/2017

Monmouth University is a private, mid-sized, residential university that is comprehensive in scope, supported by a broad commitment to the liberal arts. Founded in 1933, Monmouth offers 32 undergraduate and 23 graduate degree programs, and a doctoral program in Nursing Practice. Students benefit from a rigorous academic experience, small classes, and professors who meet the highest standards for scholarship and teaching. They participate in more than 90 active clubs and organizations including 14 fraternities and sororities, six media organizations, and an NCAA Division I athletics program fielding 21 teams, expanded to include swimming in 2015.

Monmouth's beautiful coastal campus is convenient to New York City and Philadelphia, in a vibrant economic region with dynamic arts programming, American Revolution history sites, and nationally recognized parks and golf courses. The 159-acre campus features 54 buildings, which include a blend of historic landmarks and state-of-the-art facilities.

Through its academic offerings in liberal arts, science, and professional programs, Monmouth provides a highly personalized education that prepares students to realize their potential and to become engaged citizens in a diverse and increasingly interdependent world. Within its student body, 29 states and 28 foreign nations are represented.

Five centers of distinction work to promote awareness of specific issues and meet the needs of local and global communities. Our Centers, run by top experts and professors, provide important services in areas including the environment, global affairs, public policy, the arts, and real estate.

For an eleventh consecutive year Monmouth University has been included in The Princeton Review's roster of "Best 380 Colleges," and "Best 296 Business Schools," and recognized for the fourth consecutive year as a top-40 school (Master's North) in U.S. News & World Report's list of "Best Colleges" rankings. Monmouth regularly receives top rankings in veteran-friendly schools and was recently included in Money magazine's list of "Best Colleges for Your Money."

Monmouth University is deeply committed to the principles of equity, diversity, and inclusiveness. The University's policy is to afford equal employment opportunities for all persons without regard to their race, religion, color, national origin, nationality, ancestry, age, sex (including pregnancy and sexual harassment), marital status, domestic partnership or civil union status, affectional or sexual orientation, gender identity or expression, atypical hereditary cellular or blood trait, genetic information, liability for military service, protected veteran status, or mental or physical disability, including AIDS and HIV related illnesses. Additionally, Executive Order 11246, as amended, protects applicants and employees from discrimination based on inquiring about, disclosing, or discussing their compensation or the compensation of other applicants or employees.

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covers many areas and maintains a balance of fundamental and applied research.

The Data Science Department *(http://www.nec-labs.com/research-departments/data-science/data-science-home)* performs research on all aspects of data analytics and mining. We are creating innovative analytics from big data to simplify and automate the operation of complex physical systems (e.g., automobiles, power plants, smart city etc.), as well as large-scale IT systems and services. We have several ongoing big data analytics projects including massive time series modeling, heterogeneous data analysis, and large scale graph mining etc. Our group brings together experts in machine learning, artificial intelligence, data mining, statistics, signal processing, pattern recognition and big data processing systems. We build technologies to solve real world problems and grow NEC's business. Our research leads to both award-winning NEC products/solutions and numerous publications in top conferences.

Our group is looking for multiple researchers to work in the areas of artificial intelligence, machine learning and data mining. The ideal candidates must have expertise in one of the above areas, and can develop algorithms to analyze massive data and build innovative applications. He/she must have a PhD in CS/CE with a strong publication record in at least one of the following areas:

- Machine learning and AI (Especially neural networks and deep learning)
- Data mining and statistical learning
- Time series analysis and prediction
- Text mining and information retrieval
- Graph and information network mining
- Large scale optimization and learning
- Signal processing, image processing and computer vision

NEC Laboratories America is located in Princeton, NJ, home of Princeton University and one of New Jersey's most beautiful and idyllic towns.

The area offers many exciting cultural, entertainment and outdoor activities. The office is minutes away from Princeton University and an hour from New York, Philadelphia, and the Atlantic Ocean. For more information about NEC labs, access *http://www.nec-labs.com/*, and submit your CV and research statement through our career center at *https://www.appone.com/MainInfoReq.asp?R_ID=1802426*

EOE-M/F/V/D

NEC Labs America

Researcher – Security Systems

The Computer Security (CS) Department at **NEC Labs America** in Princeton, NJ, is seeking outstanding researchers who have passion to build research systems that solve the challenging real-world security problems. We are looking for candidates in the areas of security, systems, database, big-data platforms, with a strong publication record.

The Computer Security (CS) department has been developing innovative security solutions and grown NEC's business. We provide a vibrant environment that has produced very strong research results. Given the prevalence of advanced persistent threats (APT), our recent focus has been on using ubiquitous monitoring, big-data and AI technologies to improve security intelligence. Another focus area is security research related to Internet of Things (IoT), Industrial Control Systems (ICS), and Automotive systems.

We value creative research ideas, solid system building experience, and the passion to make research results impact the industry and our society. We also value interdisciplinary research.

Qualifications:
- PhD in Computer Science or Engineering
- Strong publications or system building records
- Experience with the following is a plus:
  - Real-world system building
  - Big-data platforms such as database or data streaming
  - Real-world APT attack pattern analysis, exploit and malware analysis
  - IoT, critical infrastructure (ICS, SCADA), and automotive system security
  - Network IDS systems (e.g., Bro), network packet and protocol analysis

NEC Laboratories America is located in Princeton, NJ, home of the Princeton University and one of New Jersey's most beautiful and idyllic towns. The area offers many exciting cultural, entertainment and outdoor activities. The office is minutes away from Princeton University and an hour form New York, Philadelphia, and the Atlantic Ocean. For more information about NEC labs, please access *http://www.nec-labs.com/*, and submit your CV and research statement through our career center at *https://www.appone.com/MainInfoReq.asp?R_ID=1810405.*

EOE-M/F/D/V

NEC Research Labs

Researcher – Security Analytics

The Computer Security (CS) Department at NEC Research Labs in Princeton, NJ, is seeking outstanding researchers who have passion to apply machine learning, data mining, or other AI related technologies to solve real-world security problems.

The Computer Security (CS) department has been developing innovative security solutions and grown NEC's business. We also provide a vibrant environment that has produced very strong research results. We embrace the opportunities to leverage big-data and AI technologies to improve security. We strongly value interdisciplinary research.

Position Requirements:

Our group is looking for researchers in the area of security analytics. The ideal candidates should have expertise in applying machine learning, data mining, or other AI related techniques to solve real-world problems. He/she should be able to design and develop algorithms to process big data and build innovative analytic system for security applications. He/she must have a PhD in Computer Science or Computer Engineering with strong publication records and/or hands on experience in at least one of the following areas:

- Machine learning and AI (Especially neural networks and deep learning)
- Data mining and statistical learning
- Graph and information network mining
- Anomaly detection

NEC Laboratories America is located in Princeton, NJ, home of the Princeton University and one of New Jersey's most beautiful and idyllic towns. The area offers many exciting cultural, entertainment and outdoor activities. The office is minutes away from Princeton University and an hour form New York, Philadelphia, and the Atlantic Ocean. For more information about NEC Labs, please access *http://www.nec-labs. com/*, and submit your CV and research statement through our career center at *https://www.appone.com/MainInfoReq. asp?R_ID=1804395.*

EOE-M/F/D/V

New College of Florida

Director of Data Science

New College of Florida, the honors college of the Florida State University System, invites applications for an open-rank tenured or tenure-track position as Director of Data Science starting in August 2018.

For the complete position advertisement, please visit:

https://www.ncf.edu/about/departments- and-offices/human-resources/ employment/director-of-data-science/

New Jersey Institute of Technology

Director of the Center of Big Data at NJIT

The Ying Wu College of Computing (YWCC) at the New Jersey Institute of Technology (NJIT) *(http://computing.njit.edu/)* invites applications for a tenure-track/tenured faculty member to serve as the Director of the Center for Big Data (CBD). Candidates must have a PhD in computer science or a related discipline with a demonstrated track record of scholarly accomplishments commensurate with the appointment at the rank of Associate Professor or above. Appropriate areas of expertise include, but are not limited to: pattern recognition, machine learning, natural language processing, social media, analytics, high-performance computing for integration, analysis, visualization, and stream processing of very large amounts of structured, semi- structured, or unstructured data in areas such as business data, scientific data, medical data, etc.

The Center for Big Data at NJIT, *https:// centers.njit.edu/bigdata/* is a new multi-disciplinary center designed to synergize the strong expertise in various disciplines across the NJIT campus and develop a rich set of big data enabling technologies and services. The CBD aims to investigate, develop, and apply cutting-edge technologies to address unprecedented challenges in big data with high Volume, high Velocity, high Variety, and high Veracity, in order to create high Value. The CBD groups faculty from Computer Science, Informatics, Math, Statistics and Management.

The successful candidate will hold a faculty appointment in the department of Computer Science and build the CDB into a vibrant research group. As the Director of the CDB he/she must attract funding and develop collaborative relationships with industry. He/she must demonstrate recognition for productivity and achievement in research and the ability to work collaboratively with colleagues. The ideal candidate should have a strong business sense, experience in new program/center development and an understanding of what it takes to enhance research funding in a competitive environment. Exceptional communication skills, financial acumen and the potential to fundraise are essential. As a faculty member of the Computer Science department, he/ she is expected to (1) teach undergraduate and graduate classes within an adjusted workload, supervise graduate students; (2) develop and teach new graduate and/or undergraduate classes and (3) serve the Department, the College and the University.

Reporting to NJIT Senior Vice Provost for Research, the Director of the Center for Big Data will have his/her primary appointment in the Computer Science department within YWCC. NJIT's Computer Science Department has 33 tenure-track faculty, 13 lecturers, and 1408 students (including 59 PhD and 550 MS students) across nine programs of study. The Computer Science Department participates alongside NJIT's Informatics Department in generating the largest pool of computing talent in the tri-state (CT, NJ, NY) area. With $5M in annual research expenditures and several state-of-the-art research centers and laboratories, the department conducts research in a wide range of areas and plays a key role in the NJIT Center for Big Data and the NJIT Cybersecurity Research Center. The department has strong connections with local industry and works closely with many corporations through student Capstone projects, internships, co-ops and joint R&D projects.

The Computer Science Department resides within the Ying Wu College of Computing, which is undergoing significant growth as a priority area for NJIT under a new Dean. This growth is an integral part of NJIT's five-year strategic plan, called Vision 2020, which calls for consolidating NJIT as a world-class institution of higher education and research. Applied research, collaboration with industry, innovation and entrepreneurship are encouraged and supported. Performance and tenure expectations are aligned with those of the broader computing community, with an emphasis on grant funding and publishing in top conferences and journals.

The Ying Wu College of Computing comprises 23% of the NJIT enrollment, educating more than 2,600 students in computing disciplines, and graduating more than 750 computing professionals every year.

NJIT is located in Newark's University Heights, a vibrant sprawling downtown campus close to Rutgers-Newark, New Jersey Innovation Institute, Essex Community College, New Jersey Medical School, University Hospital, and Rutgers School of Dental Medicine. NJIT is just a 30-minute train ride from New York City and its burgeoning Silicon Alley tech sector, enabling close interaction with that vibrant professional community.

APPLYING: Applications received by January 15, 2018 will receive full consideration. However, applications are welcome until the position is filled.

To apply, please visit: *https://njit.csod.com/ ats/careersite/JobDetails.aspx?site=1&id=44*.

Applications must include a cover letter, a curriculum vitae, and the names and contact information of five references.

Supplemental materials and inquiries may be emailed to *big-data-director-search-group@njit.edu.*

To build a diverse workforce, NJIT encourages applications from individuals with disabilities, minorities, veterans and women. EEO employer.

New Jersey Institute of Technology University Heights, Newark, NJ 07102-1982

New Jersey Institute of Technology

University Lecturer/Senior University Lecturer, Computer Science Department, NJIT

The Computer Science Department at New Jersey Institute of Technology (NJIT) welcomes applications for a position of University Lecturer/Senior University Lecturer. This position requires teaching or engaging in related pedagogical activities for 12 contact hours (per week) each semester at the undergraduate and/or graduate level. The main responsibility of this position will be to organize and supervise capstone software projects at the undergraduate level and MS software projects at the graduate level. These projects are done in collaboration with corporate partners. These companies will propose projects, and their representatives will co-supervise the students together with the instructor of the course.

Successful candidates must have an MS degree in Computer Science or related area and 5+ years of industrial experience in software development. A PhD degree and prior university teaching experience are an advantage. Candidates should be knowledgeable in software engineering and programming languages (e.g., Java, C/C++, Python). Knowledge in project management, operating systems, computer networks, and databases is an advantage.

APPLYING: Applications received by 10 December 2017 will receive full consideration. However, applications are welcome until the position is filled.

Professional Opportunities

To apply, please visit, please visit *http://jobs.njit.edu* and search for "**req34**". The applications must include a cover letter, a curriculum vitae, and the names and contact information of three references. Supplemental materials and inquiries may be emailed to the Chair of the Department: *http://cs.njit.edu/people/administration/*

To build a diverse workforce, NJIT encourages applications from individuals with disabilities, minorities, veterans and women. EEO employer.

NEW JERSEY INSTITUTE OF TECHNOLOGY
University Heights, Newark, NJ 07102-1982

North Dakota State University

Tenure-Track Assistant/Associate Professor Positions

The Department of Computer Science seeks to fill two tenure-track Assistant/Associate Professor positions (Computational Biology and Cyber Security and Big Data) starting Fall 2018. See *https://www.ndsu.edu/cs/policies_and_information/cs_department_positions/* for more information.

NDSU offers degrees at all levels in Computer Science and Software Engineering. Research and teaching excellence is expected. Normal teaching loads are three courses per year. Salary is competitive.

The Computer Science Department has 13 faculty, 7 lecturers and approximately 150 graduate (Ph.D. and M.S.) students, and nearly 500 B.S./B.A. students.

NEW YORK UNIVERSITY

Director, Center for Data Science

New York University (NYU) seeks a director for its Center for Data Science (CDS). Candidates with imagination, energy, and experience are encouraged to apply, and could come from a wide range of professional backgrounds that involve data science. Among the qualities that the director should possess are:

- An exceptional research record in data science or related fields.
- Scientific leadership and vision.
- Experience and capability to manage CDS, including developing new projects and programs, mentoring junior researchers, and administration of the center.
- Ability to connect to a wide range of constituents in academia, industry, foundations, and government.

The Center for Data Science is located at NYU's Washington Square campus in the heart of Greenwich Village and shares faculty with the Langone School of Medicine, the Tandon School of Engineering, the Stern School of Business, and the Faculty of Arts & Sciences. It borders many prominent high-tech companies—AIG, Facebook, Google, Microsoft among others—and is part of the neighborhood's vibrant start-up culture. CDS has a strong interdisciplinary faculty and has established thriving Masters and PhD programs in data science.

The director will be responsible for recruiting and maintaining an exceptional faculty and administrative team, attracting high quality students, and building and sustaining partnerships with other units of NYU and in the local entrepreneurial ecosystem. The ideal director will enhance NYU's prominence as a leader in data science research and education across a range of rapidly evolving fields.

To assist in this search, NYU has retained Park Square Executive Search. To nominate a candidate or to express interest in the opportunity in confidence, please email Jonathan Fortescue or Kyle Meingast at *nyudatascience@parksquare.com* or call 617-401-2991. Applications will receive fullest consideration if received by 19 January 2018. The search will remain open until the position is filled.

Assistant/Associate Professor – Computational Biology
Ph.D. in Computer Science, Computational Biology, Bioinformatics, Health Informatics, or a closely related field. See *https://jobs.ndsu.edu/postings/8780* for more information and to apply.

Assistant/Associate Professor – Cyber Security
Ph.D. in Computer Science or Software Engineering with focus on Cybersecurity, Big Data, Data Mining or a closely related topic.

See *https://jobs.ndsu.edu/postings/8777* for more information and to apply.

Minimum requirements: Experience or other evidence of potential for excellence in undergraduate and graduate teaching, research and service. Effective oral and written communication skills are necessary. Experience or other evidence of potential to conduct research in ecosystems, sustainability or health applied to rural populations is desirable.

Review of applications begins January 15, 2018.

Professional Opportunities

Northeastern University

Interdisciplinary Associate Or Full Professor & Director Of Digital Health Initiative

College Of Computer & Informaton Science And Bouvé College Of Health Sciences

Job Description and Position Specifications

Northeastern University seeks a strategic and collaborative academic leader in health technology, data analytics, HCI, and health to lead a Digital Health Research and Graduate Education Program at Northeastern University in Boston, Massachusetts. Ongoing research and educational projects at Northeastern will serve as the initial building blocks for this program, such as unique, internationally recognized initiatives focused on personal health informatics, mHealth and AI-based interventions. These efforts--and new projects within the Digital Health initiative--will continue to be supported jointly by the College of Computer & Information Science and the Bouvé College of Health Sciences.

The position will involve expanding Northeastern University's existing portfolio of unique programs in digital health: a doctoral program in personal health informatics, two master's degree programs in health informatics and health data analytics, and undergraduate joint degree programs and initiatives in digital health. These efforts could also involve creating novel Boston-area and worldwide partnerships with prominent hospitals and health service providers, medical and health professional schools, payers and managers of health expenses (insurance companies, government agencies) and community health advocacy organizations. Direct report will be to the Dean of the College of Computer & Information Science and Chair of the Department of Health Sciences in the Bouvé College of Health Sciences. Candidates are expected to have an independently funded research program of international caliber and to participate in undergraduate and graduate teaching.

NJIT
New Jersey Institute of Technology

CHAIR, COMPUTER SCIENCE DEPARTMENT, NJIT

The Computer Science Department at the New Jersey Institute of Technology (**http://cs.njit.edu/**) invites applications for the position of Department Chair. The successful candidate should demonstrate academic leadership skills necessary to create the conditions for faculty and student development and encourage interdisciplinary research across the university as well as with other national and international partners. He/she is expected to play an active role in capitalizing on the departments' strengths to elevate the department's visibility and recognition. Candidates must have a PhD in computer science or a related discipline with a demonstrated track record of scholarly accomplishments commensurate with the appointment at the rank of Full Professor, including a sustained record of publication in top venues, attracting funding, and mentoring students. The ideal candidate must demonstrate administrative leadership as well as the ability to recruit, mentor and retain diverse research-intensive faculty, maintain a collegial and ethical environment, and work with faculty and students of diverse backgrounds.

NJIT's Computer Science Department has 33 tenure-track faculty, 13 lecturers, and 1,408 students (including 59 PhD and 550 MS students) across nine programs of study. The Computer Science Department participates alongside NJIT's Informatics Department in producing the largest pool of computing talent in the tri-state (CT, NJ, NY) area. With $5M in annual research expenditures and several state-of-the-art research centers and laboratories, the department conducts research in a wide range of areas and plays a key role in the NJIT Center for Big Data and The NJIT Cybersecurity Research Center. The department has strong connections with local industry and works closely with many corporations through student Capstone projects, internships, co-ops and joint R&D projects.

The Computer Science Department resides within the Ying Wu College of Computing, which is undergoing significant growth as a priority area for NJIT under a new Dean. This growth is an integral part of NJIT's five-year strategic plan, called Vision 2020, which calls for consolidating NJIT as a world-class institution of higher education and research. Applied research, collaboration with industry, innovation and entrepreneurship are encouraged and supported. Performance and tenure expectations are aligned with those of the broader computing community, with an emphasis on grant funding and publishing in top conferences and journals.

The Ying Wu College of Computing comprises 23% of the NJIT enrollment, educating more than 2,700 students in computing disciplines, and graduating more than 750 computing professionals every year. As such, it is the largest generator of computing talent in the tri-state area.

NJIT is located in Newark's University Heights, a vibrant sprawling downtown campus close to Rutgers-Newark, New Jersey Innovation Institute, Essex Community College, New Jersey Medical School, University Hospital, and Rutgers School of Dental Medicine. NJIT is just a 30 minute train ride from New York City and its burgeoning Silicon Alley tech sector, enabling close interaction with that vibrant professional community.

APPLYING: Applications received by January 15, 2018 will receive full consideration. However, applications are welcome until the position is filled.

To apply, please visit **https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=1**8

The applications must include a cover letter, a curriculum vitae, and the names and contact information of five references. Supplemental materials and inquiries may be emailed to **cschairsearch@njit.edu.**

To build a diverse workforce, NJIT encourages applications from individuals with disabilities, minorities, veterans and women. EEO employer.

NEW JERSEY INSTITUTE OF TECHNOLOGY
UNIVERSITY HEIGHTS, NEWARK, NJ 07102-1982

Northeastern has identified health as one of three major University-wide interdisciplinary strategic initiatives, and the University is making a major investment in interdisciplinary health research, making faculty hires in the last few years in personal health informatics, data science and visualization (with a health data emphasis), health systems, health policy, urban health, population health, and health administration.

Screening of applications begins immediately. Salary will be commensurate with education, training, and experience and includes an outstanding benefit package. For full consideration, application materials should be received by December 1, 2017. However, applications will be accepted until the search is completed.

Qualifications:

Credentials commensurate with appointment as an associate or full professor and a recognized scholar and researcher in an area related to digital health (personal health informatics, health data analytics, mHealth, precision medicine, remote care, self-care, etc.). A PhD in Computer Science, Public Health or a closely related field to one of the above-listed areas of expertise by the start date is required. A strong history of extramural funding from a diverse set of agencies (i.e., governmental, private foundations (NIH, NSF, RWJ), commercial organizations). Ability to develop, lead, and evaluate educational programs. An entrepreneurial spirit and desire to establish and implement a vision with a growth plan for a new university-wide initiative. Demonstrated ability to

recruit and orient faculty and staff to fulfil a common vision. Demonstrated collaborative and teamwork skills working within and across schools, departments, and disciplines. Demonstrated record of leading, directing, and managing

research groups. Demonstrated skills in negotiations and change management, along with experience in strategic planning and implementation. Qualified candidates should have experience with and be committed to fostering diverse and inclusive environments

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NJIT
New Jersey Institute of Technology

CHAIR, INFORMATICS DEPARTMENT, NJIT

The Ying Wu College of Computing at New Jersey Institute of Technology (NJIT) welcomes applications for the position of Chairperson of the Informatics Department. The new Chair will lead the expansion of the department, recently created by combining the Information Systems Department and the Information Technology Program. The Chair will work closely with the Dean of the College in transforming the college into a prominent player in the NY/NJ tech community, which is a strong priority for NJIT.

DEPARTMENT: Informatics has a strong research and academic emphasis on data intensive computing, human centered computing, game design, augmented reality/virtual reality, security, and network administration. The department is well-ranked nationally for information systems and game design. We offer ABET accredited Baccalaureate programs in Web and Information Systems, Business and Information Systems, Human-Computer Interaction, and Information Technology. We also offer MS programs in Business and Information Systems, IT Administration and Security, and a PhD in Information Systems. The department enrolls over 760 undergraduate and 380 graduate students. The college enrolls over 2,700 students and is the largest generator of computing talent in the tri-state area. The college and department have strong connections with local industry and work closely with many corporations through student Capstone projects, internships, and joint R&D projects.

QUALIFICATIONS: The successful candidate must have earned a Doctorate in a relevant discipline, and should be an experienced and visionary academic leader with a distinguished research record. The candidate should qualify for a tenured position in the department at the rank of Full Professor. The Chair reports to the Dean of the Ying Wu College of Computing.

LOCATION: NJIT is located in Newark, NJ and is just a 30 minute train ride from New York City and its burgeoning Silicon Alley tech sector. The NJ area around NJIT features a high concentration of industry and businesses, with many opportunities for research collaboration and consulting. The region offers a variety of living environments, from lively urban to quiet suburbs to the Jersey shore, with excellent school districts.

APPLYING: Applications received by January 15, 2018 will receive full consideration. However, applications are welcome until the position is filled.

To apply, please visit
https://njit.csod.com/ats/careersite/JobDetails.aspx?site=1&id=14

The applications must include a cover letter, a curriculum vitae, and the names and contact information of five references.

Supplemental materials and inquiries may be emailed to
informatics-chairsearch@njit.edu.

To build a diverse workforce, NJIT encourages applications from individuals with disabilities, minorities, veterans and women. EEO employer.

NEW JERSEY INSTITUTE OF TECHNOLOGY
UNIVERSITY HEIGHTS, NEWARK, NJ 07102-1982

as well as to promoting experiential learning, which are central to a Northeastern University education.

Additional Information:

Founded in 1898, Northeastern University is on an exciting trajectory of growth and innovation. The University is a leader in inter- disciplinary research, urban engagement, experiential learning, and the integration of classroom learning with real-world experience. Northeastern University is home to 20,000 students and to the nation's premier cooperative education program. The past decade has witnessed a dramatic increase in Northeastern's international reputation for research and innovative educational programs. A heightened focus on interdisciplinary research and scholarship is driving a faculty hiring initiative at Northeastern, advancing its position amongst the nation's top research universities. Northeastern University is situated on the Avenue of the Arts in Boston's historic Back Bay, four blocks from the Longwood Medical Area, encompassing Harvard Medical School, Children's Hospital Boston, Brigham & Women's Hospital, and Beth Israel Deaconess Medical Center, and eight blocks from the Boston Medical Center. Northeastern University has an enrollment of more than 17,000 undergraduate and 7,000 graduate students and approximately 4,300 faculty and staff. Situated in downtown Boston, it is one of the nation's most dynamic private educational institutions. Northeastern is recognized as a leader in experiential

learning – the integration of classroom learning with real-world experience. Innovative research and educational efforts have led to a dynamic, fast-paced, entrepreneurial environment, and the dramatic changes at the University are reflected in a dramatic rise in the U.S. News and World Report's rankings of top 100 U.S. research universities in the last few years (to #40 in 2017). Bouvé College of Health Sciences has over 200 faculty members, with approximately 2,000 undergraduate and 2,400 graduate students. It is the leading national model for education and research in the health, psychosocial and biomedical sciences, and, supports the University's mission of educating students for a life of fulfillment and accomplishment and creating and translating knowledge to meet global and societal needs. The College of Computer and Information Science has hired 42 tenured/tenure-track faculty since 2012 and plans to continue this strategic growth in the coming years. 15 of the 62 faculty members hold interdisciplinary appointments across 6 other colleges. The college has 1,500 undergraduates and 1,450 graduate students. The College of Computer and Information Science has an underlying mission that is best captured by the phrase "CS for Everyone."

How to Apply

To apply, visit the NU Careers website *https://neu.peopleadmin.com/postings/* search and click on `Faculty Positions'. Applicants should submit the on-line application with a cover letter of interest and curriculum vitae. Questions concerning

the positions or process for applications can be directed to Professor Misha Pavel at *m.pavel@northeastern.edu.*

Northeastern University Equal Employment Opportunity Policy:

Northeastern University is an Equal Opportunity, Affirmative Action Educational Institution and Employer, Title IX University. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by the law. Northeastern University is an E-Verify Employer.

Northwestern University

Assistant or Associate Professor of Computer Science and Journalism

As part of an ambitious plan to expand interdisciplinary work in computer science and other fields, Northwestern University seeks to hire a new faculty member whose work focuses on the intersection of Computer Science and Journalism/Media and has the potential to drive change and transformation in the field of journalism.

We invite candidates to apply for a new position as Professor of Computer Science & Journalism at the Associate or Assistant Professor level. The search is open to academic candidates as well as distinguished technology professionals. We are interested in candidates who have a track record of success in researching, developing and deploying technology

relevant to journalism and media, as well as research interests in a computer science discipline such as Artificial Intelligence, Machine Learning, Human-Computer Interaction or Knowledge Management.

Candidates whose background is primarily in the media or technology industry should be able to demonstrate experience building or leading the development of software that addresses the needs of journalists, publishers and/or media consumers. Academic candidates should have a research agenda at the intersection of computer science and journalism, and experience developing technologies for media practitioners or consumers.

Given Northwestern's longstanding commitment to interdisciplinary work in these fields, an interest in teaching students from both journalism and computer science – and fostering collaboration between them – is critical.

The goal of the CS + X initiative in general and the CS + Journalism effort in particular is the transformational integration of CS with other fields. Preferred candidates are expected to work between fields in partnership with non-technologists with the goal of promoting shared understanding and research progress at the intersection. With the dual focus of research and education, candidates will work across schools to help create an environment of cross-functional cooperation and coordination between disciplines. In line with this, we are certainly interested in researchers with joint degrees but

are flexible with regard to the nature of applicants' core education. Our goal in this search is to hire new faculty who will have positions in both the McCormick School of Engineering and the Medill School of Journalism. The driver behind this goal is the further development of the partnership that already exists between the two schools.

Northwestern is a world-leading research and teaching university with an unrivaled combination of excellent schools that provide extraordinary opportunities for collaboration across a wide range of disciplines. Located just outside of Chicago – a diverse and culturally vibrant world-class city – Northwestern faculty have ample opportunities to connect with the city's growing technology sector.

More information on the CS + X initiative can be found at [*http://www.mccormick. northwestern.edu/eecs/computer-science/cs-plus-x/*]

Further instructions can be found at [*http://www.mccormick.northwestern. edu/eecs/careers.html*]

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, underrepresented racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Northwestern University

Assistant or Associate Professor of Computer Science and Law

As part of an ambitious plan to grow and transform Computer Science [*http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html*], Northwestern University's CS + X initiative announces a new faculty search at the intersection of Computer Science and Law. In coordination with Northwestern's Pritzker School of Law we seek outstanding candidates at all levels, who have a clear passion to make a difference and are excited by the opportunity to work at the intersection of computer science and the law.

We invite candidates to apply for a new position as Professor of Computer Science and Law at the Associate or Assistant Professor level. Our focus in this search is on faculty who are working on issues related to the relationship between computation and law. We are interested in candidates focused on issues related to legal and regulatory responses to the accelerating world of information technology as well as those who are engaged in developing technologies that have direct impact on the practice of the law itself. Our focus is on Security and Privacy for the former and AI, Machine Learning and HCI for the latter. In general, however, we are open to researchers from all areas of CS. We intend to hire two or more excellent candidates in these areas, and are open to cluster hires and teams.

More information on the CS + X initiative can be found at [*http://www.mccormick.northwestern.edu/eecs/computer-science/cs-plus-x/*]

Further instructions can be found at [*http://www.mccormick.northwestern.edu/eecs/careers.html*]

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Northwestern University

Professor of Computer Science – Database, Security focus (All Levels)

Northwestern University has announced a substantial commitment to grow and transform Computer Science (CS) [*http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html*]. We seek outstanding candidates with a clear passion to make a difference in Computer Science and who are excited by the opportunity to help build the future of CS at a great university.

We invite candidates to apply for new positions as Professor of Computer Science at the Assistant, Associate, or Full Professor levels. We are particularly interested in recruiting individuals to our database and security faculty

teams, but are open to applications from outstanding faculty candidates in all areas of Computer Science. Priority will be given to applicants with path-breaking research interests that have the potential to transform both Computer Science and other disciplines. We intend to hire two or more excellent candidates, and are open to cluster hires and teams.

Further application instructions can be found at *http://www.mccormick.northwestern.edu/eecs/careers.html*

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, underrepresented racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Northwestern University

Postdoctoral Fellowships in Computer Science

Northwestern University has recently announced a substantial commitment to grow and transform Computer Science (CS) [*http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html*]. We will add twenty new tenure-track faculty in the next five years–ten in core Computer Science, and ten collaboratively with other disciplines (CS + X)–as well as a number of non-tenure track teaching faculty.

To support this growth of our faculty, increase our research impact, and meet growing student demand, we invite applications for **Postdoctoral Fellowships in Computer Science**. Combining research with teaching duties, these positions come with attractive benefits and will have considerable autonomy, while still enabling close mentoring by and collaboration with Northwestern faculty members. We are focused on adding excellent fellows to our Artificial Intelligence and Machine Learning teams, but strong candidates in all disciplines of Computer Science are encouraged to apply.

The teaching load is one course per quarter over the three quarter academic year (including an advanced-level course in the candidate's research area). These are two-year positions, with the possibility of renewal for an additional year.

Northwestern is a world leading research and teaching university with an unrivaled combination of excellent schools that provide extraordinary opportunities for collaboration across a wide range of disciplines. Located just outside of Chicago – a diverse and culturally vibrant world-class city – Northwestern faculty have ample opportunities to connect with the city's growing technology sector.

We encourage candidates to send applications as soon as possible; appointments begin Fall 2018 quarter. Applications received by March 31, 2018 will be given full consideration; however, the positions will remain open until filled. Applicants should submit (1) a cover letter, (2) a curriculum vitae, (3) three to

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five letters of reference, (4) statement of research goals, (5) statement of teaching philosophy, and (6) two representative publications. For general questions about the search or application assistance post submission, contact *facsearch@eecs. northwestern.edu*

Visit our department page to learn more and apply. *http://www.mccormick. northwestern.edu/eecs/careers.html*

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, underrepresented racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Northwestern University

Professor of Instruction – Computer Science

Northwestern University has announced a substantial commitment to grow and transform Computer Science (CS) [*http:// www.northwestern.edu/newscenter/ stories/2016/06/major-expansion-in- computer-science.html*]. As part of transforming and scaling computer science education, we are looking for multiple non-tenure track teaching faculty. We seek outstanding candidates, in all areas and at all levels, with a clear passion to make a difference in Computer Science, and who are excited by the opportunity to help build the future of CS at a great university.

We invite candidates to apply for non-tenure-track Professor of Instruction positions in Computer Science. The successful applicant will be one who is an extraordinary teacher and mentor. They will bring not only strong and deep knowledge of Computer Science, but also passion in their desire to convey that knowledge to a broad variety of Northwestern students. They will go well beyond delivering entry level service courses to create a learning environment that motivates students to enroll, to work, to learn, and to find new applications of Computer Science that shape their careers and the world beyond. We intend to hire two or more excellent candidates for this role during this academic year. These are multi-year, renewable positions.

Further instructions can be found at *http:// www.mccormick.northwestern.edu/eecs/ careers.html*

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, underrepresented racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

NYU Abu Dhabi

FACULTY POSITIONS Computer Science

New York University (NYU) Abu Dhabi is in a multi-year phase of growth. As such, the University's Program in Computer Science

invites applications for a faculty position at the rank of associate professor or professor, each with tenure. Faculty in the Program in Computer Science contribute to the multidisciplinary research at NYU Abu Dhabi that is a hallmark of the institution's mission, currently working with faculty from other programs in areas that include cyber-security, natural language processing, music and data science. Candidates are expected to be outstanding scholars with exceptional productivity in their fields, and to act as inspirational teachers and mentors to the undergraduate and graduate students, which is also a hallmark of the University's mission. New appointees will be offered competitive salaries and startup packages.

Since the multidisciplinary research at NYU Abu Dhabi is expanding, applicants from all areas of computer science are welcome to apply. However, specific research areas of interest include (1) data science, with interest in interactive data analytics, big data systems and distributed systems, and database systems; (2) cyber-security, with experience building and deploying large-scale security solutions in the real world that focus on systems security, network security, privacy, cryptography, and formal methods; (3) artificial intelligence, with experience machine learning research agendas, from statistical models to neural networks or research broadly applicable to robotics and imaging; and (4) bioinformatics and synthetic biology.

NYU Abu Dhabi is located on Saadiyat Island, the cultural centerpiece of Abu Dhabi. Successful candidates will find a vibrant research and teaching environment that includes supportive and highly motivated

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colleagues, access to outstanding resources for research, a competitive startup package, and broad opportunities for interdisciplinary work at NYU Abu Dhabi and across campuses of the NYU system. Faculty have access to state-of-the-art core facilities that include next-generation DNA sequencing, robotics, advanced microscopy and high performance computing facilities with more than 6,400 computing cores and a peak performance of 70 TFLOPS. To obtain further information about research and core facilities at NYU Abu Dhabi, visit the University's website at *http://nyuad. nyu.edu/en/research/faculty-research.html.*

The terms of employment are highly competitive. Appointments, which are dependent on final budgetary approval, can begin as soon as September 1, 2018, but later start dates are possible. Review of applications will begin December 1, 2017. To be considered, applicants should submit a complete curriculum vitae, a statement of teaching and research interests that should not exceed six pages, no more than three representative publications, and three letters of reference in PDF format. Please visit *http://nyuad.nyu.edu/ human.resources/open.positions.html* for instructions and other information on how to apply. If you have any questions, please e-mail *nyuad.science@nyu.edu.*

EOE/AA/Minorities/Females/Vet/Disabled/ Sexual Orientation/Gender Identity Employer UAE Nationals are encouraged to apply.

NYU Abu Dhabi

FACULTY POSITIONS
Computer Science

New York University (NYU) Abu Dhabi is in a multi-year phase of growth. As such, the University's Program in Computer Science invites applications for a faculty position in computer science at the rank of assistant professor, tenure track. Faculty in the Program in Computer Science contribute to the multidisciplinary research at NYU Abu Dhabi that is a hallmark of the institution's mission, currently working with faculty from other programs in areas that include cyber-security, natural language processing, music, and data science. Candidates are expected to be outstanding scholars with exceptional productivity in their fields, and to act as inspirational teachers and mentors to the undergraduate and graduate students, which is also a hallmark of the University's mission.

Since the multidisciplinary research at NYU Abu Dhabi is expanding, applicants from all areas of computer science are welcome to apply. However, specific research areas of interest include (1) data science, with interest in interactive data analytics, big data systems and distributed systems, and database systems; (2) cyber-security, with experience building and deploying large-scale security solutions in the real world that focus on systems security, network security, privacy, cryptography, and formal methods; (3) artificial intelligence, with experience machine learning research

agendas, from statistical models to neural networks or research broadly applicable to robotics and imaging; and (4) bioinformatics and synthetic biology.

NYU Abu Dhabi is located on Saadiyat Island, the cultural centerpiece of Abu Dhabi. Successful candidates will find a vibrant research and teaching environment that includes supportive and highly motivated colleagues, access to outstanding resources for research, a competitive startup package, and broad opportunities for interdisciplinary work at NYU Abu Dhabi and across campuses of the NYU system. Faculty have access to state-of-the-art core facilities that include next-generation DNA sequencing, robotics, advanced microscopy and high performance computing facilities with more than 6,400 computing cores and a peak performance of 70 TFLOPS. To obtain further information about research and core facilities at NYU Abu Dhabi, visit the University's website at *http://nyuad.nyu.edu/en/research/ faculty-research.html*

The terms of employment are highly competitive. Appointments, which are dependent on final budgetary approval, can begin as soon as September 1, 2018, but later start dates are possible. Review of applications will begin December 1, 2017. To be considered, applicants should submit a complete curriculum vitae, a statement of teaching and research interests that should not exceed six pages, no more than three representative publications, and three letters of reference in PDF format.

Please visit *http://nyuad.nyu.edu/ human.resources/open.positions.html* for instructions and other information on how to apply. If you have any questions, please e-mail *nyuad.science@nyu.edu*

EOE/AA/Minorities/Females/Vet/Disabled/ Sexual Orientation/Gender Identity Employer

UAE Nationals are encouraged to apply.

NYU Shanghai

TENURED/TENURE TRACK POSITION
Computer Science

NYU Shanghai is currently inviting applications for tenured/tenure track positions in Computer Science at the rank of assistant, associate, or full professor. More than one position may be available. We invite strong applicants from all areas of computer science, although priority will be given to candidates from machine learning, artificial intelligence, computer science theory, and systems. Candidates whose work is methodologically data driven are particularly encouraged to apply. Successful candidates will demonstrate a capacity for both research excellence and high-quality instruction in the classroom, and must have completed a Ph.D. or equivalent by the time of appointment. It is expected that successful candidates will supervise Ph.D. students, collaborate with NYU Shanghai and NYU faculty, and seek funding opportunities both in China and US. Successful candidates will have affiliations in NYU departments and will be eligible to pursue US federal grant opportunities.

Review of applications will begin December 15 and will continue until the position is filled; early application is encouraged. Junior applicants should also submit the names and email addresses of at least three referees, who will be contacted to upload their reference letters. In the case of mid-career and senior applicants, reference letters will be requested at a later stage as needed. Please visit our website at *https:// shanghai.nyu.edu/en/about/work-here/ open-positions-faculty* for instructions and other information on how to apply. To apply, follow this link *http://apply. interfolio.com/44469.* If you have any questions, please email *pr46@nyu.edu.*

About NYU Shanghai:
NYU Shanghai is the newest degree-granting campus within New York University's global network. It is the first higher education joint venture in China authorized to grant degrees that are accredited in the U.S. as well as in China. All teaching is conducted in English. A research university with liberal arts and science at its core, it resides in one of the world's great cities with a vibrant intellectual community. NYU Shanghai recruits scholars of the highest caliber who are committed to NYU's global vision of transformative teaching and innovative research and who embody the global society in which we live.

NYU's global network includes degree-granting campuses in New York, Shanghai, and Abu Dhabi, complemented by eleven additional academic centers across five continents. Faculty and students circulate within the network

in pursuit of common research interests and cross-cultural, interdisciplinary endeavors, both local and global.

NYU Shanghai is an equal opportunity employer committed to equity, diversity and social inclusion. We strongly encourage applications from individuals who are under-represented in the profession, across color, creed, race, ethnic and national origin, physical ability, and gender and sexual identity. NYU Shanghai affirms the value of differing perspectives on the world as we strive to build the strongest possible university with the widest reach.

EOE/AA/Minorities/Females/Veterans/ Disabled/Sexual Orientation/Gender Identity Employer

NYU Tandon School of Engineering

Associate/Full Professor, Cyber Security

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for tenured/tenure track positions in data sciences, cyber security, machine learning, and medical imaging, with a start date of September 1, 2018. This cluster of new hires is part of our significant expansion reflecting the increasing role of computer science research and education, please see *http://engineering.nyu.edu/services/ human-resources/faculty-positions* under Department of Computer Science and Engineering for details.

New York University (NYU) is one of the top private universities in the United States. The Tandon School of Engineering has been known previously as Brooklyn Poly and the NYU Polytechnic School of Engineering. The NYU Tandon School of Engineering is deeply committed to distinction in research and excellence in teaching and learning. Tandon faculty and students are at the forefront of the high-tech start-up culture in New York City and have access to NYU's Global Network University. Tandon fosters student and faculty innovation and entrepreneurship that make a difference in the world.

Faculty and students of Department of Computer Science and Engineering have access to world-class research centers in cybersecurity (CCS) and in visualization, imaging and data analysis (VIDA), and to the media and games network (MAGNET). Pursuing theoretical, methodological and application-driven interdisciplinary research, we offer unparalleled opportunities for research across boundaries and enjoy close collaborations with other Tandon departments, the Courant Institute, the NYU Center for Data Science (CDS), the School of Medicine, the College of Global Public Health, the Center for Urban Science and Progress, the School of Law, among other Schools of NYU.

Qualifications
Candidates should have a PhD in Computer Science or a closely related discipline. A distinguished record of scholarship, leadership, curricular innovation, entrepreneurship, and an excellent

funding record are desired. Candidates must demonstrate or show potential for excellence in teaching and mentoring.

We invite applications in **all areas of Cyber Security with particular emphasis on Systems.** The successful candidate will be a member of the NYU Center for Cybersecurity (CCS), a collaboration between NYU Tandon Department of Computer Science and Engineering, the Department of Electrical and Computer Engineering, NYU School of Law, and others.

Application Instructions
Applicants should submit a cover letter, curriculum vitae, statements of research and teaching interests, recent teaching evaluations, and three references. All application materials should be submitted **electronically to** *https://apply.interfolio.com/47435.*

Review of applications will begin on January 1, 2018 and will continue until the position is filled.

NYU Tandon School of Engineering

Data Science Assistant/Associate Faculty (CSE/CDS)

The Computer Science and Engineering (CSE) department, part of the NYU Tandon School of Engineering in New York University (NYU), and the Center for Data Science (CDS) at NYU invite applications for a **joint, open rank, Assistant/Associate Faculty, Data Science,** Tandon Computer Science and Engineering and Center for Data Science.

NYU is one of the top private universities in the United States. The faculty and students of the CSE Department are at the forefront of the high-tech start-up culture in New York City and have access to world-class research centers in visualization, imaging and data analytics (VIDA), cyber security, wireless communications and the game innovation lab, among other areas. The department enjoys close collaborations with the Courant Institute, the NYU Media and Games Network (MAGNET), the Center for Urban Science and Progress, the School of Medicine, and other Schools of NYU. CDS is an interdisciplinary center established recently to advance NYU's goal of creating the country's leading data science training and research facilities, and arming researchers and professionals with tools to harness the power of big data.

Qualifications
CSE and CDS invite outstanding applications with a distinguished track record of scholarship and international reputation in the broad area of data science, including data management and visualization. Candidates must have a PhD in computer science or a closely related discipline, a demonstrated ability to develop and lead high-quality research and attract external funding, and shown excellence in teaching and mentoring. Appointees will contribute to teaching and advising of students at all levels in both CSE and CDS.

Application Instructions
To ensure full consideration, applicants are encouraged to apply by January 1st, 2018. However, applications will be accepted until the position is filled. Applicants should submit a cover letter, curriculum vitae, statements

of research and teaching interests, recent teaching evaluations, and three references. For further information, please contact the search committee chair, Juliana Freire, *juliana.freire@nyu.edu* .All application materials should be submitted **electronically to** *https://apply.interfolio.com/47451.*

Review of applications will begin on January 1, 2018 and will continue until the position is filled.

NYU Tandon School of Engineering

Data Science, Associate/Full Professor

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for tenured/tenure track positions in data sciences, cyber security, machine learning, and medical imaging, with a start date of September 1, 2018. This cluster of new hires is part of our significant expansion reflecting the increasing role of computer science research and education.

New York University (NYU) is one of the top private universities in the United States. The Tandon School of Engineering, having been known previously as Brooklyn Poly and the NYU Polytechnic School of Engineering. The NYU Tandon School of Engineering is deeply committed to distinction in research and excellence in teaching and learning. Tandon faculty and students are at the forefront of the high-tech start-up culture in New York City and have access to NYU's Global Network University. Tandon fosters student and faculty innovation and entrepreneurship that make a difference in the world.

Faculty and students of Department of Computer Science and Engineering have access to world-class research centers in cybersecurity (CCS) and in visualization, imaging and data analysis (VIDA), and to the media and games network (MAGNET). Pursuing theoretical, methodological and application-driven interdisciplinary research, we offer unparalleled opportunities for research across boundaries and enjoy close collaborations with other Tandon departments, the Courant Institute, the NYU Center for Data Science (CDS), the School of Medicine, the College of Global Public Health, the Center for Urban Science and Progress, the School of Law, among other Schools of NYU.

Qualifications
For all positions, candidates should have a PhD in Computer Science or a closely related discipline. A distinguished record of scholarship, leadership, curricular innovation, entrepreneurship, and an excellent funding record are desired. Candidates must demonstrate or show potential for excellence in teaching and mentoring.

We invite applications in the **broad area of data science, including data management and analytics.** The successful candidate will be able to participate in activities at the Center for Data Science (CDS) and initiate collaborative efforts with related programs in the Computer Science Department at NYU Courant.

Application Instructions
Applicants should submit a cover letter, curriculum vitae, statements of research

and teaching interests, recent teaching evaluations, and three references. All application materials should be submitted electronically to *https://apply.interfolio.com/47433.*

Review of applications will begin on January 1, 2018 and will continue until the position is filled.

NYU Tandon School of Engineering

Assistant/Associate/Full Professor, Machine Learning

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for tenured/tenure track positions in data sciences, cyber security, machine learning, and medical imaging, with a start date of September 1, 2018. This cluster of new hires is part of our significant expansion reflecting the increasing role of computer science research and education, please see *http://engineering.nyu.edu/services/human-resources/faculty-positions* under Department of Computer Science and Engineering for details.

New York University (NYU) is one of the top private universities in the United States. The Tandon School of Engineering has been known previously as Brooklyn Poly and the NYU Polytechnic School of Engineering. The NYU Tandon School of Engineering is deeply committed to distinction in research and excellence in teaching and learning. Tandon faculty and students are at the forefront of the high-tech start-up culture in New York City

and have access to NYU's Global Network University. Tandon fosters student and faculty innovation and entrepreneurship that make a difference in the world.

Faculty and students of Department of Computer Science and Engineering have access to world-class research centers in cybersecurity (CCS) and in visualization, imaging and data analysis (VIDA), and to the media and games network (MAGNET). Pursuing theoretical, methodological and application-driven interdisciplinary research, we offer unparalleled opportunities for research across boundaries and enjoy close collaborations with other Tandon departments, the Courant Institute, the NYU Center for Data Science (CDS), the School of Medicine, the College of Global Public Health, the Center for Urban Science and Progress, the School of Law, among other Schools of NYU.

Qualifications

Candidates should have a PhD in Computer Science or a closely related discipline. A distinguished record of scholarship, leadership, curricular innovation, entrepreneurship, and an excellent funding record are desired. Candidates must demonstrate or show potential for excellence in teaching and mentoring.

We invite **applications from candidates in both core and applied machine learning.** The successful candidate will join a vibrant community of Machine Learning researchers at NYU, with opportunities for collaborative efforts with the extensive programs in the Computer Science Department at NYU Courant and the Center for Data Science (CDS)..

Application Instructions

Applicants should submit a cover letter, curriculum vitae, statements of research and teaching interests, recent teaching evaluations, and three references. All application materials should be submitted electronically to *https://apply.interfolio.com/47436.*

Review of applications will begin on January 1, 2018 and will continue until the position is filled.

NYU Tandon School of Engineering

Associate/Full Professor, Medical Imaging

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for tenured/tenure track positions in data sciences, cyber security, machine learning, and medical imaging, with a start date of September 1, 2018. This cluster of new hires is part of our significant expansion reflecting the increasing role of computer science research and education, please see *http://engineering.nyu.edu/services/human-resources/faculty-positions* under Department of Computer Science and Engineering for details.

New York University (NYU) is one of the top private universities in the United States. The Tandon School of Engineering has been known previously as Brooklyn Poly and the NYU Polytechnic School of Engineering. The NYU Tandon School of Engineering is deeply committed to distinction in research and excellence in teaching and learning. Tandon faculty and students are at the

forefront of the high-tech start-up culture in New York City and have access to NYU's Global Network University. Tandon fosters student and faculty innovation and entrepreneurship that make a difference in the world.

Faculty and students of Department of Computer Science and Engineering have access to world-class research centers in cybersecurity (CCS) and in visualization, imaging and data analysis (VIDA), and to the media and games network (MAGNET). Pursuing theoretical, methodological and application-driven interdisciplinary research, we offer unparalleled opportunities for research across boundaries and enjoy close collaborations with other Tandon departments, the Courant Institute, the NYU Center for Data Science (CDS), the School of Medicine, the College of Global Public Health, the Center for Urban Science and Progress, the School of Law, among other Schools of NYU.

Qualifications

Candidates should have a PhD in Computer Science or a closely related discipline. A distinguished record of scholarship, leadership, curricular innovation, entrepreneurship, and an excellent funding record are desired. Candidates must demonstrate or show potential for excellence in teaching and mentoring.

We invite applications in the areas of Biomedical Image Analysis and Computer Vision.

The ideal candidate will bring excellent qualifications in mathematical, algorithmic and statistical concepts foundational to

biomedical image analysis and computer vision, and proven record in interdisciplinary collaborative research. The successful candidate will have opportunities to initiate interdisciplinary collaborations with the NYU Medical and Dental schools, NYU Center for Data Science (CDS) and NYU Courant Institute of Mathematical Sciences.

Application Instructions

Applicants should submit a cover letter, curriculum vitae, statements of research and teaching interests, recent teaching evaluations, and three references. All application materials should be submitted electronically to *https://apply.interfolio. com/47437*

Review of applications will begin on January 1, 2018 and will continue until the position is filled.

Occidental College

Adjunct Instructor in Computer Science

Occidental College is seeking applicants for an Adjunct Instructor who will teach two courses for Spring 2018 academic year, starting in late January, with possibility for employment in future semesters.

Applicants should have a Master's degree in computer science or related fields, with PhD and college-level teaching experience preferred. Applicants should submit a curriculum vitae, statement of teaching interests and experience (maximum two pages), and a list of references to Chair of Computer Science, Kathryn Leonard (*leonardk@oxy.edu*), with the subject "Computer Science Adjunct Application."

Review of applications will begin immediately and will continue until the position is filled.

Applications from all qualified candidates may be kept on file for future semesters. Women, persons of color, and minorities are strongly encouraged to apply.

The successful applicant will teach two sections of COMP 229: Data Structures, the second course in the introductory computer science sequence. The course includes topics from object-oriented programming and dynamic data structures, such as linked lists, stacks, queues, trees, heaps, graphs, hash tables, sets and more. Common themes that run throughout this course are implementation of the abstract data types, and spatial and memory consideration and analysis. The course balances theory with application.

Ohio State University

Tenure Track Faculty Position in Electrical and Computer Engineering

The Ohio State University invites applications for tenure track faculty positions in the Department of Electrical and Computer Engineering, specifically Mobile Computing, Computer Architecture, and Cybersecurity.

A successful faculty candidate is expected to have research experience in one of these general fields: cybersecurity, mobile computing, and computer architecture. Interested areas include, but not limited to: cybersecurity; (including hardware-enable security), mobile computing, computer architecture and systems, cloud computing,

Internet of things, data center management, embedded and real-time systems, and energy-efficient computer designs.

**For best consideration, please submit your application no later than February 1, 2018 *https://academicjobsonline.org/ajo/jobs/10265*

Applicants must have a Ph.D. and outstanding academic credentials. Application materials must include: 1) a cover letter, 2) curriculum vitae, 3) statements of research 4) teaching interests, and 5) contact information for three references, and 6) three authored papers.

The Ohio State University College of Engineering is strongly committed to promoting diversity and inclusion in all areas including scholarship, instruction and outreach. This position is partially funded by Ohio State's Discovery Themes Initiative, a significant faculty hiring investment in key thematic areas in which the university can build on its culture of academic collaboration to make a global impact.

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or identity, national origin, disability status, or protected veteran status. Requires the successful completion of a background check.

Ohio State University

Tenure-Track and Tenured Faculty Positions in Computer Science and Engineering

The Computer Science and Engineering Department at The Ohio State University seeks to fill multiple tenure-track and tenured positions at all ranks. We are particularly interested in the following areas: (1) machine learning, and (2) theory and algorithms. Highly qualified applicants in other areas will also be considered. Applicants should hold or be completing a PhD in computer science & engineering or a closely related field, have a commitments to and demonstrated record of excellence in research, and a commitment to excellence in teaching.

Review of applications will begin on December 1, 2017 and will continue until the positions are filled. Additional details and application instructions are available at *https://academicjobsonline.org/ajo/jobs/10250.*

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or identity, national origin, disability status, or protected veteran status.

Old Dominion University

Data Science and Cybersecurity – Assistant/Associate Professor (4 Openings)

The **Department of Computer Science at Old Dominion University** is seeking multiple full-time tenure-track faculty members with expertise in **data science**

NEW YORK UNIVERSITY

New York University: Tandon School of Engineering: Computer Science & Engineering

Multiple Faculty Positions, Computer Science and Engineering

Location: Brooklyn, NY

The Department of Computer Science and Engineering at the NYU Tandon School of Engineering invites applications for tenured/tenure track positions in data sciences, cyber security, machine learning, and medical imaging, with a start date of September 1, 2018. This cluster of new hires is part of our significant expansion reflecting the increasing role of computer science research and education.

1. Data Science, Associate/Full Professor (**https://apply.interfolio.com/47433**)
2. Cyber Security, Associate/Full Professor (**https://apply.interfolio.com/47435**)
3. Machine Learning, Assistant/Associate/Full Professor (**https://apply.interfolio.com/47436**)
4. Medical Imaging, Associate/Full Professor (**https://apply.interfolio.com/47437**)
5. Data Science, Assistant/Associate Faculty (**CSE/CDS) (https://apply.interfolio.com/47451**)

New York University (NYU) is one of the top private universities in the United States. The NYU Tandon School of Engineering is deeply committed to distinction in research and excellence in teaching and learning. Tandon faculty and students are at the forefront of the high-tech start-up culture in New York City and have access to NYU's Global Network University. Faculty and students of the NYU Tandon Department of Computer Science and Engineering have access to world-class research centers in cybersecurity (CCS) and in visualization, imaging and data analysis (VIDA), and to the media and games network (MAGNET). Pursuing theoretical, methodological and application-driven interdisciplinary research, we offer unparalleled opportunities for research across boundaries and enjoy close collaborations with other departments and schools at NYU.

Qualifications: For all positions, candidates should have a PhD in Computer Science or a closely related discipline. A distinguished record of scholarship, leadership, curricular innovation, entrepreneurship, and an excellent funding record are desired. Candidates must demonstrate or show potential for excellence in teaching and mentoring.

Application Instructions: Applicants should submit a cover letter, curriculum vitae, statements of research and teaching interests, recent teaching evaluations, and three references. All application materials should be submitted electronically (see follow specific links to individual positions). Review of applications will begin on January 1, 2018 and will continue until the position is filled.

New York University is an Equal Opportunity Employer. New York University is committed to a policy of equal treatment and opportunity in every aspect of its hiring and promotion process without regard to race, color, creed, religion, sex, pregnancy or childbirth (or related medical condition), sexual orientation, partnership status, gender and/or gender identity or expression, marital, parental or familial status, caregiver status, national origin, ethnicity, alienage or citizenship status, veteran or military status, age, disability, predisposing genetic characteristics, domestic violence victim status, unemployment status, or any other legally protected basis. Women, racial and ethnic minorities, persons of minority sexual orientation or gender identity, individuals with disabilities, and veterans are encouraged to apply for vacant positions at all levels.

and machine learning, and cybersecurity. Outstanding candidates in other areas of computer science will also be considered. The appointment is expected to be made at the Assistant Professor rank with an anticipated start date of July 2018. At the time of appointment, the candidate must have a PhD or equivalent in computer science or related discipline. Exceptional candidates with established research and active funding may be considered at the Associate Professor rank.

Requirements are the potential for success in teaching, research, and obtaining external research grants. Consideration will also be given to candidates demonstrating a potential for collaboration with the current CS faculty or for inter-disciplinary collaboration with other researchers at ODU.

Professional Opportunities

The Department of Computer Science currently has 14 tenured and tenure-track faculty, seven lecturers, and several adjunct faculty. The faculty has research grant support from agencies such as NSF, NIH, NASA, NEH, the Mellon Foundation, DoD, and DoE, and ODU CS ranks in the top 25% in terms of R&D expenditures among Computer Science departments.

Current research areas span a wide range, with established strengths in high performance scientific computing, bioinformatics, parallel mesh generation, real-time medical image computing, web science, mobile computing, cyber-physical systems, and large-scale video analytics (see *http://cs.odu.edu/* for more information). A vibrant graduate program enrolls 140 graduate students (40 Ph.D. and 100 M.S.) and the undergraduate program has more than 700 majors. Excellent collaborative research opportunities are available at ODU's Center for Cybersecurity Education & Research, and at nearby NASA Langley Research Center, Thomas Jefferson National Accelerator Facility, National Institute of Aerospace, Eastern Virginia Medical School, and the Virginia Modeling Analysis and Simulation Center.

Located in Norfolk, Virginia, Old Dominion University (*www.odu.edu*) is a state supported Carnegie Doctoral/Research Extensive institution with approximately 25,000 students and over 840 full-time faculty. Norfolk is a culturally-rich, historic city and a major international maritime center in Hampton Roads, a seven-city metropolitan area of over 1.5 million people.

Interested candidates should visit *https://jobs.odu.edu/* to submit a curriculum vitae, a statement of research activities and future research plans, a statement of teaching philosophy, unofficial graduate transcripts and contact information for four references to Dr. Mohammad Zubair, Computer Science Faculty Search Committee Chair. The review of applications will begin December 15, 2017 and continue until the positions are filled.

Old Dominion University is an equal opportunity, affirmative action institution. Minorities, women, veterans and individuals with disabilities are strongly encouraged to apply.

Peking University

Tenure-track faculty positions

The School of EECS at Peking University invites applications for tenure-track positions in the areas of energy-efficient computing and applications. The research topics in energy-efficient computing cover but not limited to energy-efficient computing/storage/communication architectures, compilers and system-level software, and systems at embedded/edge/data-center scales. And the topics in energy-efficient applications include but not limited to wireless health, mobile sensing, and hardware acceleration of compute-intensive applications (such as deep learning, image/video processing, and design automation).

These positions are associated with the Center for Energy-Efficient Computing and Applications (CECA, *http://ceca.pku.edu.cn*), which offers competitive start-up and compensation packages. In this supportive research environment, CECA faculties accomplished innovative research in the fields of energy-efficient computer architecture and mobile system and published the first ISCA paper, the first MICRO paper, and the first MobiCom paper at Peking University, which are the top-tier conferences in the related areas.

Applications from distinguished candidates, at senior levels, are also encouraged.

To apply, please send your resume, statements of research and teaching, and at least three letters of reference to *ceca_recruiting@pku.edu.cn*.

Portland State University

Assistant Professor

The Computer Science Department at Portland State University (PSU) invites applications for a tenure-track faculty position at the assistant professor level, to begin Fall 2018. Exceptional applicants at other ranks will also be considered.

The department currently has twenty-two tenure-track faculty members, including three NSF CAREER Award winners and two ACM Fellows. The department offers an ABET-accredited B.S., both a thesis and a non-thesis M.S., and a Ph.D. in Computer Science. The department currently serves approximately 800 undergraduates and 130 graduate students. Our teaching loads give faculty time to maintain funded research programs. Further information about the department is available at *http://cs.pdx.edu*.

PSU is the largest urban university in Oregon and is known nationally for its community engagement and sustainability initiatives. Its campus in downtown Portland is well served by public transit and offers proximity to world-class restaurants, cultural venues and outdoor activities. PSU's urban setting provides a living laboratory for research and easy access to collaborations in industry, academia and government. Current local collaborations include Intel, Oregon Health & Science University, and Oregon Department of Transportation. Portland is the home of a burgeoning software industry, including Puppet Labs, Urban Airship, AWS Elemental, Janrain, Jive Software, Jama Software, and Webtrends.

Qualifications

Specific areas of computer science under consideration are: machine learning; data mining; data intensive systems; or more generally data science. Applicants are expected to hold or be near completion of a Ph.D. in Computer Science or other relevant field. Non Ph.D. applicants will be required to have completed the Ph.D. by September 01, 2018.

Job Specifications

The faculty member will maintain scholarly activity in funded research and publications; teach undergraduate and graduate classes; provide professionally related public service; advise students, and support University activities through committee service.

To Apply

For more information and for instructions on how to apply, please visit

https://www.pdx.edu/computer-science/. For inquiries about this position, please contact cssearch@cs.pdx.edu. Review of applications will begin immediately and will continue until finalists are identified.

Purdue University

Tenure-Track/Tenured Faculty Position in Bioinformatics

The Department of Computer Science at Purdue in conjunction with the department of Biochemistry invites applications for a tenure track faculty position in the field of bioinformatics and/ or computational systems biology at the Assistant, Associate, or Full Professor levels. We are interested in candidates that develop new computational algorithms and software tools to address major challenges in the biological sciences. Candidates whose work is especially relevant to cancer would have the opportunity to collaborate with the NCI-designated Purdue University Center for Cancer Research, (https://www.cancerresearch.purdue.edu/). Successful candidates are expected to develop an internationally-recognized research program, teach in graduate and/or undergraduate courses, interact with diverse faculty, staff and students across campus, and function as an active member of the department and university faculty. The Department is in a phase of significant growth and offers a stimulating academic environment. Information about the department and a description of open positions are available at http://www.cs.purdue.edu.

The Department of Biochemistry is an interactive and vibrant community of

faculty, staff, and students who contribute significantly to the life science community of Purdue University. Current research interests in the department include cancer biology, chromatin and epigenetics, signal transduction, cell cycle, drug discovery, metabolism, structural biology, genomics, and computational biology. More information is available at www.biochem.purdue.edu. The department has close interactions with the NCI-designated Purdue University Center for Cancer Research (https://www.cancerresearch.purdue.edu/).

Applicants should hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research, and strong commitment to teaching. Successful candidates will be expected to conduct research in their fields of expertise, teach courses in computer science, and participate in other department and university activities. Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion. Salary and benefits are competitive, and Purdue is a dual-career friendly employer. Applicants are strongly encouraged to apply online at https://hiring.science.purdue.edu. Alternatively, hardcopy applications can be sent to: Faculty Search Chair, Department of Computer Science, 305 N. University Street, Purdue University,

West Lafayette, IN 47907. A background check will be required for employment in this position.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Purdue University

Tenure Track Faculty Positions

The Department of Statistics at Purdue University seeks to hire two tenure-track Assistant professors to begin in August 2018 in the area of data science and machine learning. Applicants with interests in novel computational and methodological approaches to complex data, as well as applicants with foundational interests in the computational theory for complex data will be considered.

The Department of Statistics offers a stimulating and nurturing academic environment with research programs in a broad-range of areas, including bioinformatics, computational statistics, data science, mathematical statistics, probability, and spatial statistics. These positions will be split between the Department of Statistics (75%) and the Department of Computer Science (25%), joining other faculty with joint appointments in Computer Science or other departments. Further information about the department is available at *http://www.stat.purdue.edu.*

All applicants should hold a Ph.D. in Statistics or a related field by the time of employment, and be committed to

excellence in research and teaching. Salary and benefits are highly competitive. Please visit *http://www.stat.purdue.edu/hiring/* to apply. A background check will be required for employment in this position.

Review of applications will begin on December 1, 2017 and will continue until the position is filled. Purdue University's Department of Statistics is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Purdue University

Tenure-Track/Tenured Faculty Positions

The Department of Computer Science at Purdue University is in a phase of significant growth. Applications are being solicited for nine tenure-track and tenured positions at the Assistant, Associate and Full Professor levels. Outstanding candidates in all areas of computer science will be considered. Review of applications and candidate interviews will begin in September 2017, and will continue until the positions are filled.

The Department of Computer Science offers a stimulating academic environment. Information about the department and a

description of open positions are available at *http://www.cs.purdue.edu.*

Applicants should hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research, and strong commitment to teaching. Successful candidates will be expected to conduct research in their fields of expertise, teach courses in computer science, and participate in other department and university activities. Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion. Salary and benefits are competitive, and Purdue is a dual-career friendly employer. Applicants are strongly encouraged to apply online at *https://hiring.science.purdue.edu.* Alternatively, hardcopy applications can be sent to: Faculty Search Chair, Department of Computer Science, 305 N. University Street, Purdue University, West Lafayette, IN 47907. A background check will be required for employment in this position.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

Queens College of CUNY

Assistant Professor Computer Science (3 positions)

The Department of Computer Science at Queens College of CUNY is accepting applications for three tenure-track positions at the Assistant Professor level starting Fall 2018.

Consult *http://www.cs.qc.cuny.edu* for further information.

Rice University

The Electrical and Computer Engineering Department at Rice University currently has two tenure-track faculty positions in complimentary areas:

Tenure-Track Faculty Position in Circuits and Sensors

Rice University invites applications for a tenure-track Assistant Professor position to perform research with a focus on integrated electronic and microelectromechanical systems (analog, mixed-signal, radio-frequency, and mm-wave) with applications in sensing, imaging, medicine, healthcare, data science, and other emerging areas and teach undergraduate and graduate courses. Extraordinary candidates from other areas of Computer Engineering are also welcome.

Applicants should submit a cover letter, curriculum vitae, statement of research and teaching interests, and at least three references through the ECE faculty application website: *https://jobs.rice.edu/postings/12419.*

The deadline for applications is January 10, 2018. The position is expected to be available July 1, 2018. Additional information can be found on our website: *https://www.ece.rice.edu.*

Tenure-Track Faculty Position in Embedded Machine Learning

Rice University invites applications for a tenure-track Assistant Professor position to teach undergraduate and graduate courses and perform research in Computer Engineering with a focus on hardware and embedded implementation of machine learning algorithms, with applications to one or more of sensor-based systems, security, energy, smart grids, IoT, robotics, mobile systems, cloud computing, data science, health informatics, and biomedical devices.

The successful applicant will be required to teach undergraduate and graduate courses and build a successful research program. Applicants should submit a cover letter, curriculum vitae, statement of research and teaching interests, and at least three references through the ECE faculty application website: *https://jobs.rice.edu/postings/12467.*

Applications for this position will be reviewed on a rolling basis beginning December 15, 2017 through January 15, 2018. The position is expected to be available July 1, 2017. Additional information can be found on our website: *https://www.ece.rice.edu.*

Requirements:

A Ph.D. in Electrical and Computer Engineering or a related field is required, or the Ph.D. requirements must be fulfilled by November 1 of the year employment commences.

Roosevelt University

The Robert Miner Endowed Professorship in Computer Science

Roosevelt University invites applications for the Robert Miner Endowed Chair in Computer Science. We are seeking an academic leader for our growing Computer Science, Information Technology, and Data Science department. Situated in the midst of Chicago's booming tech community, with a strong endowment and emergent nationally-recognized degree programs in cyber- and information security, the department presents a compelling opportunity for a visionary academic leader.

Candidates with expertise in programming, software development, project management, and academic-industry partnerships are particularly welcomed. Rank open.

The Miner Chair will:
- Provide strategic leadership for the department and coordinate select programs;
- Maintain, create, and build external relations for the department;
- Oversee personnel and budget management;
- Engage in targeted new program development; and
- Teach as commensurate with department need.

Roosevelt University is a private, non-sectarian university with over 5,000 students studying at campuses in Chicago's Loop, suburban Schaumburg and online. Founded on the principles of inclusion and

social justice, Roosevelt is the fourth most ethnically diverse college in the Midwest, with a mission to prepare students to assume roles as leaders in their professions and communities.

Qualifications:

- Master's degree in computer science or a related field

- A minimum of five years of academic leadership or industry management experience

- Experience teaching at the undergraduate and/or graduate level

Application instructions available at *https://jobs.roosevelt.edu/postings/4232*

The review of completed applications will begin January 16, 2018, and will continue until the position is filled.

Roosevelt University is an Equal Opportunity Employer.

Rowan University

*Tenure-Track Faculty Position,
Department of Computer Science
College of Science & Mathematics
Department of Computer Science*

The Computer Science Department at Rowan University invites applications for a tenure-track Assistant Professor position to begin September 2018. Exceptional candidates at the Associate Professor rank may also be considered. Candidates in the following areas are particularly encouraged to apply: Cyber-Security, Internet of Things,

Parallel and Distributed Processing, Cloud Computing, Virtual Reality, Computer Game Design, and Mobile Computing, however exceptionally strong candidates in other areas, as well as those with a background

in industry, will be considered. In addition to regular teaching responsibilities, the successful candidate is expected to develop an externally-funded research program involving undergraduate and/

R·I·T

Visiting Assistant Professor in Computational Linguistics and Language Science

The Department of English invites applications for a Visiting Assistant Professor position, beginning in January 2018, with specialization in computational linguistics and/or innovative technical or scientific methods in language science at Rochester Institute of Technology (RIT), with a focus on one or more areas of application. Possible areas include:
- Deep learning for natural language understanding
- Speech and speech technology
- Multimodal and linguistic sensors
- Human-computer interaction
- Linguistic narrative analytics

The applicant should demonstrate a fit with our commitment to collaborate with colleagues across the university on initiatives in artificial intelligence and in digital humanities and social sciences. The position has the possibility of extension beyond Spring 2018.

The teaching assignment may be Introduction to Language Science, Language Technology, Introduction to NLP, Science and Analytics of Speech (acoustic and experimental phonetics), Spoken Language Processing (automatic speech recognition and text-to-speech synthesis), Seminar in Computational Linguistics, self-designed courses, or another course depending on background.

Job Requirements:
- Ph.D. with training in Computational Linguistics, Linguistics, or an allied field for language science, in hand prior to appointment date.
- Advanced graduate coursework in computational linguistics, including natural language and/or spoken language processing or technical methods in linguistics.
- Publication record and coherent plan for research and grant seeking activities.
- Evidence of outstanding teaching.
- Ability to contribute in meaningful ways to the college's continuing commitment to cultural diversity, pluralism, and individual differences.

How to Apply:
Apply online at **http://apptrkr.com/1116771**. Please submit your online application, curriculum vitae, cover letter addressing the listed qualifications and upload the following attachments:
- Research statement
- Teaching statement
- Copy of transcripts of graduate coursework
- Sample publication
- The names, addresses, and phone numbers for three references
- Statement of diversity

Questions regarding this position can be directed to the search committee chair-Dr. Cecilia Ovesdotter Alm at coagla@rit.edu.
Review of applications will begin on November 25, 2017 and will continue until an acceptable candidate is found.

or graduate students, and to take a leadership role in and/or assist with the development and expansion of curricular programs in their area of specialization. The Computer Science faculty have opportunities to mentor graduate students and serve on thesis committees. At the time of appointment, candidates must have earned a Ph.D. in Computer Science or a closely related field.

The Computer Science Department is one of seven departments in the College of Science & Mathematics and offers an ABET-accredited B.S. Computer Science degree along with an M.S. degree in Computer Science, a B.A. degree in Computing and Informatics, and an M.S. in Data Analytics.

Deadline for receipt of applications is Sunday, January 21, 2018. The application must be submitted through our online application system as a single file (PDF format) containing a letter of application, a curriculum vitae, a detailed description of research interests and plans, a statement of teaching philosophy, and graduate transcripts (copies acceptable). Three letters of recommendation should be emailed on the candidate's behalf directly to the Computer Science Search Committee at *CSsearch@rowan.edu*. Questions may also be directed to this email address.

Please complete the online application at: *http://jobs.rowan.edu/cw/en-us/ job/492496/tenure-track-faculty-position-in-department-of-computer-science*

Application Deadline: 01/21/18

Rowan University values diversity and is committed to equal opportunity in employment. All positions are contingent upon budget appropriations.

Rutgers University

Tenure Track Faculty

The Computer Science Department at Rutgers University invites applications for multiple tenure-track and multiple teaching positions across all areas of Computer Science. The appointments will start September 2018. More information and instructions for applying can be found at: *http://www.cs.rutgers.edu/employment/*. Applications received by January 12, 2018 will be given priority.

Rutgers subscribes to academic diversity and encourages applications from individuals with varied experiences and backgrounds. Women, minorities, dual-career couples, and persons with disabilities are encouraged to apply. Rutgers is an affirmative action/equal opportunity employer.

Saint Louis University

Multiple Faculty Positions

Saint Louis University, a Catholic, Jesuit institution dedicated to student learning, research, health care, and service, is seeking applicants for two new faculty positions in the *Department of Computer Science* to begin in August 2018. The department supports a vibrant undergraduate program in computer science and two new master's programs

in computer science and software engineering. For additional information, see *cs.slu.edu/hiring.*

The first position is a tenure-track Assistant Professor of Computer Science. Applicants must hold a Ph.D. in Computer Science or a closely related field and demonstrate strong potential for both research and teaching. Duties include building and maintaining an active research program with national prominence, teaching of both undergraduate and graduate courses, and the mentorship of undergraduate and graduate students. Applicants are particularly welcome who have primary interests in either software engineering or applied areas of computer science, such as systems, networking, and security.

The second position is a non-tenure-track position in Computer Science with initial rank commensurate with experience and long-term opportunity for promotion to higher ranks. Applicants must hold a Master's in Computer Science or a closely related field to be considered for the rank of Instructor, and a Ph.D. in discipline for the rank of Assistant Professor or higher. The focus area for this position is Software Engineering, and industry experience is greatly valued. Successful applicants will demonstrate enthusiasm for undergraduate and graduate education and excellence in the classroom. Primary job responsibilities include teaching of courses and a contribution to the development of new curricula, and with possibility of mentorship of both undergraduate and graduate students.

Applications must be submitted online at *jobs.slu.edu* and include a cover letter, CV, statement of research interests, statement of teaching interests and experiences, and contact information for three or more potential references. See requisition *F20170527* for the tenure-track search and requisition *F20170526* for the non-tenure-track search. For full consideration, applications for the tenure-track position should be completed by December 15, 2017, and for the non-tenure-track position by January 15, 2018.

Saint Louis University is an equal opportunity/affirmative action employer. All qualified candidates will receive consideration for the position applied for without regard to race, color, religion, sex, age, national origin, disability, marital status, sexual orientation, military/veteran status, or other non-merit factors. We welcome and encourage applications from minorities, women, protected veterans, and individuals with disabilities (including disabled veterans). If accommodations are needed for completing the application and/or with the interviewing process, please contact Human Resources at 314-977-5847.

Singapore University of Technology and Design

Postdoc and PhD positions in blockchain and network security

Details at *https://pszal.github.io/open_positions*

Smith College

Assistant Professor Positions in Computer Science

The Department of Computer Science at Smith College invites applications for one, possibly more open-field, tenure-track Assistant Professor positions in computer science, to begin July 2018. Candidates with demonstrated excellence in teaching, an active research program, and ability to work with and inspire diverse student populations encouraged to apply. Ph.D. expected by time of appointment.For more information and to apply, visit *http://apply.interfolio.com/44360*. Review will begin on October 15, 2017. EO/AA/Vet/Disability Employer.

Southeast Missouri State University

Department of Computer Science Assistant Professor – Cybersecurity-Cape Girardeau, MO

Southeast Missouri State University seeks a tenure track, assistant professor of Cybersecurity. The successful candidate will be responsible for teaching undergraduate and graduate courses in computing-related technologies.

For a complete job announcement and application process, visit: *http://agency.governmentjobs.com/semoedu/default.cfm?promotionaljobs=1.*

AN EQUAL OPPORTUNITY, AFFIRMATIVE ACTION EMPLOYER

Stanford University, Stanford, California

Assistant Professor in Statistics or Probability

The Statistics Department invites applications for a tenure-track Assistant Professor position in Probability, Applied or Theoretical Statistics. This is a research and teaching position with student advising and department committee responsibilities.

Applicants should have demonstrated strong research abilities. A Ph.D. in Statistics or a related area is required. Applicants should submit a letter of application, curriculum vita, a statement of research and teaching interests, graduate transcripts, not more than one preprint/reprint, and arrange for three letters of recommendation to be submitted. Applications and letters should be submitted online at *https://academicjobsonline.org/ajo/jobs/9396*. Questions may be submitted to *search@stat.stanford.edu.*

Evaluation of applicants will begin November 16, 2017. Applications must be received by December 11, 2017 to be guaranteed consideration.

The Stanford Statistics department currently has 22 regular faculty members, as well as a distinguished group of emeriti. Many professors have joint appointments in other departments, including positions in mathematics, economics, the School of Medicine, the School of Engineering, the School of Earth Sciences, and the

School of Education. The varied research in the department integrates core statistical theory, mathematics, computing, algorithms, and applications to many scientific disciplines. More information on the department can be found on its website: *https://statistics.stanford.edu.*

Stanford is an equal employment opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by law. Stanford also welcomes applications from others who would bring additional dimensions to the University's research, teaching and clinical missions.

Tennessee Tech University

Assistant Professor (1-2 Positions), Department of Computer Science

The Computer Science department at Tennessee Tech University (TTU) is accepting applications for multiple positions at the Assistant Professor level. The selected candidates will be expected to teach undergraduate and graduate courses in computer science, engage in scholarly activities, develop externally funded research programs in Information Assurance and Security, direct the research of graduate students at the M.S. and Ph.D. levels, serve on committees at the departmental, college and university levels, engage in professional and public service, and advise students

SlipperyRock University of Pennsylvania

Data Scientist

Slippery Rock University invites applications for a full-time tenure-track faculty member whose primary research area and teaching interests are in Data Science. Expertise in data mining, machine learning, simulation, forecasting, and big data analytics are required. The teaching load is nine credits per semester of graduate courses or twelve credits per semester of undergraduate courses. The successful candidate must be committed to excellence in teaching, service, and scholarly growth, be able to contribute to our Award-Winning online Master of Science in Data Analytics program, and teach a variety of courses ranging from service courses to advanced statistics/data analytics courses. Faculty will be expected to create and direct capstone projects for graduate and undergraduate students.

A PhD in Data Science or related field including Statistics, Biostatistics, Operations Research, and Computer Science is required prior to employment. A Master's degree in mathematics, statistics, or equivalent coursework is preferred. Other preferred qualifications include prior college level teaching experience, evidence of a scholarly agenda, and experience conducting research with graduates and undergraduates. Highly competitive salary, benefits, and rank commensurate with experience level will be provided.

The successful candidate should be able to assist in the expansion of current statistics/data analytics offerings and programs, and have an interest in establishing industrial or business partnerships, consulting, and workshop development. Applicants should have experience in, or willingness to learn, non-traditional, active learning pedagogies, and the use of modern pedagogical delivery systems.

All candidates must possess a commitment to the education of diverse populations and demonstrate successful performance in an on campus interview, including a teaching demonstration. All applicants must have outstanding communication and interpersonal skills.

The required online application form may be obtained by visiting our Career Site at **http://apptrkr.com/1109217** and selecting Faculty Positions. Full consideration will be given to complete applications received by November 23, 2017.

Slippery Rock University is a public regional institution with a total of almost 9000 undergraduate and graduate students conveniently located an hour north of Pittsburgh, PA and an hour and a half east of Cleveland, OH.

AA/EOE

on academic curricula, professionalism, and career opportunities. The faculty is expected to be involved in some activities of Tennessee Tech's Cybersecurity Education, Research and Outreach Center, which is a NSA/DHS accredited Center of

Academic Excellence in Cyber Defense Education to offer the first (and largest) federal CyberCorps Scholarship for Service program in Tennessee.

Complete position summary is available at *https://jobs.tntech.edu*. Applicants will be required to apply online and must electronically upload required information. Screening begins December 18, 2017; open until filled. Tennessee Tech University is an AA/EEO employer and does not discriminate on the basis of race, color, religion, ethnic or national origin, sex, disability, age (40 and over), status as a protected veteran, genetic information or any other category protected by federal or state law. Inquiries regarding the nondiscrimination policies should be directed to *equity@tntech.edu*.

Texas A&M University

Director, Institute of Data Science

Texas A&M University, the Texas A&M Engineering Experiment Station (TEES) and Texas A&M AgriLife Research, have recently created the Texas A&M Institute of Data Science (TAMIDS). The Institute's main thrusts in research and education, as well as outreach and service, are intended to coalesce the diverse and strong existing activities relating to data science across Texas A&M. TAMIDS brings together data science experts with researchers in several applications areas. Texas A&M has substantial expertise in many aspects of data science, including data acquisition, analysis, curation, security, visualization, storage, and communication. Data-driven application areas of strength include social media, precision medicine, precision agriculture, coastal hazards, transportation, weather prediction, the smart grid, and materials and manufacturing. Through

this position announcement, Texas A&M is initiating the process to identify and recruit an individual with the vision and demonstrated accomplishments to lead the institute.

The Director of TAMIDS will report to the Texas A&M University Vice President for Research and will lead the creation of a dynamic, exciting, discovery-driven institute that broadly covers the data science arena and will attract and nurture outstanding faculty and students at Texas A&M. She or he will be an individual with a record of successful leadership who can work collaboratively with colleagues across many disciplines to facilitate and develop large multi-investigator research initiatives and creative educational and service projects. The Director will have demonstrated success in attracting research funding from federal agencies, private partnerships and other funding entities. He or she will have a record of and a deep commitment to training the next generation of data scientists through the development of inter-disciplinary educational programs. Preference will be given to candidates who are qualified to hold an appointment at the rank of full professor with tenure at Texas A&M University.

Inquiries, nominations, and candidate materials, including a CV and narrative describing background, qualifications and a brief strategic vision for TAMIDS can be sent in confidence to Ms. Shelly Martin via email to *shelly.martin@tamu.edu*. Consideration of applications will begin January 15, 2018, but the position will remain open until filled.

Texas A&M University is an Equal Opportunity/Affirmative Action/Veterans/Disability Employer committed to diversity.

Texas A&M University

Tenure Track Assistant, Associate or Full Professor – Cybersecurity

Job Summary – Recognizing the increasing need to advance cybersecurity, the Texas A&M College of Engineering has launched a major initiative to hire a significant number of faculty in the area at all ranks. Applications are being accepted for faculty positions in all areas of cybersecurity in computing, networking, cyber physical systems, critical infrastructure in healthcare, transportation, manufacturing and energy sectors. Successful applicants will receive faculty appointments in one of the departments within the college, primarily within the departments of computer science and engineering, *www.cse.tamu.edu*, and electrical and computer engineering, *www.ece.tamu.edu*. Successful applicants will be required to teach; advise and mentor graduate students; develop an independent, externally funded research program; participate in all aspects of the department's activities; and serve the profession. Senior hires may be granted additional positions.

Texas A&M University – College of Engineering is located in the twin cities of Bryan and College Station, TX, with a population of more than 255,500, and is conveniently located in a triangle formed by Dallas, Houston and Austin. Texas A&M has more than 64,000 graduate and

undergraduate students enrolled. Research expenditures at Texas A&M total more than $866 million annually, ranking in the top tier of universities nationwide. With an endowment valued at more than $9.7 billion, the university ranks second among U.S. public universities and eighth overall. Texas A&M is aware that attracting and retaining exceptional faculty often depends on meeting the needs of two careers and having policies that contribute to work-life balance. For more information visit *http://dof.tamu.edu/Faculty-Resources/CURRENT-FACULTY/Faculty-Work-Life.* With over 600 faculty members and more than 16,000 students, the College of Engineering is one of the largest engineering schools in the country. The college is ranked seventh in graduate studies and eighth in undergraduate programs among public institutions by U.S. News & World Report, with seven of the college's 14 departments ranked in the Top 10. The college is also ranked 3rd in research expenditures by the American Society for Engineering Education.

Required Education and Experience – Applicants must have an earned doctorate in computer engineering, computer science, electrical engineering, or a closely related field.

Other Requirements – Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of three references (including postal addresses, phone numbers and email addresses) by applying for this specific position at *www.tamengineeringjobs.com.* To ensure full consideration, applications should be received by January 8, 2018, but

will be accepted until positions are filled. For specific questions about the positions, contact: *cybersecurity-search@tamu.edu.* It is anticipated that appointments will made beginning spring 2018 and will continue through fall 2018 and spring 2019.

EEOC Statement – The members of Texas A&M Engineering are all Equal Opportunity/Affirmative Action/Veterans/Disability employers committed to diversity. It is the policy of these members to recruit, hire, train and promote without regard to race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation or gender identity.

Texas Tech
Assistant/Associate/Full Professors

The Department of Computer Science at Texas Tech University invites applications for multiple tenured or tenure-track positions at various ranks starting in Fall 2018. Applicants must have a Ph.D. degree in Computer Science or related fields by the time of appointment. We are looking for outstanding individuals from all areas of computer science with track records of research excellence and potentials to become a leader in research and education. Associate/full professor candidates should demonstrate leadership in building multidisciplinary research teams at the university or national level and obtaining external funding.

A letter of application, Curriculum Vitae, statement of research, teaching statement, and three letters of reference (five for

applications at the rank of professor) should be submitted electronically at *http://www.texastech.edu/careers/* using requisition numbers **9053BR** for associate/full professor position and **11360BR** for assistant professor position. As an Equal Employment Opportunity/Affirmative Action employer, Texas Tech University is dedicated to the goal of building a culturally diverse faculty committed to teaching and working in a multicultural environment. We actively encourage applications from all those who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community at Texas Tech University. The university welcomes applications from minorities, women, veterans, persons with disabilities, and dual-career couples. Should you have questions, please contact: Dr. Akbar Namin, at *cs.search@ttu.edu*

Trinity College
Visiting Assistant Professor/Visiting Lecturer in Computer Science

Applications are invited for a two-year position at the rank of Visiting Assistant Professor or Visiting Lecturer to start in Fall 2018.

Applications should be submitted to: *https://trincoll.peopleadmin.com/.*

Consideration of applications will begin on February 15, 2018.

Professional Opportunities

Tulane University

Professor of Practice in Computer Science Starting Fall 2018

Tulane Computer Science is Hiring!

The Tulane Computer Science Department anticipates multiple hires at all levels as it continues to build its program. Applications are encouraged from leading researchers who are attracted by the chance to develop a new program whose focus is equally on computer science and on its applications to the myriad of areas where computer science is having a fundamental effect on how research is conducted. We are especially interested in researchers who focus on areas around data science, including machine learning and artificial intelligence, networks, scientific visualization, databases, systems, cloud computing and related areas. The department currently has 7 tenured / tenure stream faculty and one Professor of Practice; we anticipate attaining a critical mass of 10 faculty with the next year, and a stable state of 15 faculty within the following 2 – 3 years.

We are pleased to announce the following opening:

Professor of Practice

The Tulane Computer Science Department invites applications for a Professor of Practice position to begin in Fall 2018. The duties include expanding our introductory course offerings, CMPS 1500 and CMPS 1600, and teaching a range of undergraduate courses, including the Capstone Project required of all coordinate

majors. Tulane Professors of Practice are regular faculty members with term appointments that are renewable as long as teaching and mentoring meet expectations and as long as there is a continued need for the position. Initial appointments are for three years; at the end of the second appointment period, the faculty member may be considered for promotion to Senior Professor of Practice, with a term of five years. The successful candidate will have a record of outstanding teaching and mentoring at the undergraduate level, including mentoring undergraduates in research projects. Details about our program can be found at *http://www.cs.tulane.edu*. Review of applications will begin January 1, 2018, and continue until the position is filled.

Application Instructions

A complete application should include a CV, a teaching statement, and documentation to validate excellence in teaching, including at least three letters of recommendation that address teaching. Applications for this position will be reviewed starting January 1, 2018; the review and interview process will continue until the position is filled. This position is subject to final administrative approval.

Candidates interested in the Professor of Practice position may access the electronic application via the following link: *apply.interfolio.com/46634.*

Tulane University is an equal employment opportunity/affirmative action/persons with disabilities/veterans employer committed to excellence through diversity. Tulane will not discriminate against individuals with disabilities or veterans. All eligible candidates are encouraged to apply.

Tulane University

Department of Computer Science

Faculty Positions in Computer Science Starting Fall 2018

New Orleans, LA

Tulane Computer Science is Hiring!

The Tulane Computer Science Department anticipates multiple hires at all levels as it continues to build its program. Applications are encouraged from leading researchers who are attracted by the chance to develop a new program whose focus is equally on computer science and on its applications to the myriad of areas where computer science is having a fundamental effect on how research is conducted. We are especially interested in researchers who focus on areas around data science, including machine learning and artificial intelligence, networks, scientific visualization, databases, systems, cloud computing and related areas. The department currently has 7 tenured / tenure stream faculty and one Professor of Practice; we anticipate attaining a critical mass of 10 faculty within the next year, and a stable state of 15 faculty within the following 2 – 3 years.

We are pleased to announce the following openings:

The Yahoo! Founder Chair

The Tulane Computer Science Department invites applications for the Yahoo! Founder Chair in Computer Science. The Yahoo! Founder Chair will be a pivotal appointment for our program, providing an anchor for our current research activities while developing new collaborations across the university. The successful candidate will provide leadership by enhancing existing research collaborations and establishing new ones both within the computer science department, within the School of Science and Engineering and across the other Tulane schools and colleges. We encourage applications from senior colleagues whose work is in an area related to data. The successful candidate will have excellent research credentials nationally and internationally, a record of substantial research funding and experience in leading multidisciplinary research projects, and an established record of excellent teaching at the undergraduate and PhD levels. Review of applications will begin January 1, 2018, and continue until the position is filled. Potential candidates for this position are encouraged to contact Professor Michael Mislove, chair of the computer science department, at *mislove@tulane.edu* about their candidacy.

Tenured/Tenure-Track Open Rank Positions

The Tulane Computer Science Department invites applications for multiple open rank positions at the tenured or tenure-track level to begin in Fall 2018. Our faculty are active in research related to a number of areas, all of which feature applications of computer science and its underlying principles to other disciplines in the sciences and health sciences, the social sciences and the humanities. We welcome applications from candidates with similar research interests. We are particularly interested in applications from candidates in systems and networking, in machine learning and its applications, in graphics and large data, and in data more generally. The successful candidates will have outstanding research records that emphasize the application of computer science and its principles to research in related areas, have excellent teaching records, and have strong records of attracting research funding on a continued basis. Junior faculty who have postdoctoral experience establishing their research program and who ideally have teaching experience also are encouraged to apply. Review of applications will begin January 1, 2018, and continue until the positions are filled.

All of these positions have the potential for a joint appointment with the Florida Institute for Human and Machine Cognition – see *http://www.ihmc.us.*

More information about the Tulane Computer Science Department, its faculty, its research areas and undergraduate and graduate programs can be found at *http://www.cs.tulane.edu.*

Application Instructions

A complete application should include a CV, statements on research and teaching, and at least three letters of recommendation. Applications for these positions will be reviewed starting January 1, 2018; the review and interview process will continue until all open positions are filled. These positions are subject to final administrative approval.

Candidates interested in the Yahoo! Founder Chair may access the electronic application via the following link: *https://apply.interfolio.com/46655.*

Candidates interested in the tenured/ tenure-track open rank positions should apply electronically via the following link: *https://apply.interfolio.com/46694.*

Tulane University is an equal employment opportunity/affirmative action/persons with disabilities/veterans employer committed to excellence through diversity. Tulane will not discriminate against individuals with disabilities or veterans. All eligible candidates are encouraged to apply.

Two Sigma Labs

Research Scientist

Are you an extraordinary researcher with a passion for taming data? Do you focus on clarifying questions before seeking answers? Do you prefer teamwork over going it alone?

Two Sigma Labs performs formal, academic-style research to help drive technological innovation internally and externally. We engage the academic and professional communities, and apply leading-edge knowledge and insights to the company's top challenges. We extend the state of the art in key areas for the company, and we publish our results (see *research.twosigma.com*). As a highly collaborative research team, we always seek internal and external partnership.

In the past few years, we have produced research results in parallel and distributed computing, domain-specific languages and runtimes, statistics, hardware security, and data mining. Some of these have had a profound impact on how Two Sigma does business and have established us as experts and leaders in the community.

We are currently interested in growing our research footprint in areas including:

- Everything data (from the implementation of novel data management systems to the principles of statistical data analysis)
- Machine learning
- Concurrent computing
- Languages
- Systems

Requirements include:

- A PhD in Computer Science or another quantitative field
- Publications in top research venues
- Interest and ability to implement proofs of concept
- Innate curiosity and resourcefulness
- No finance experience is required.

If you love collaborating on deep technical challenges that make an impact, please follow *this link* to apply now.

Two Sigma Labs is located in New York City's historic SoHo neighborhood, known for its cast-iron buildings, art galleries, and fine dining.

Union College

Visiting Assistant Professor, Computer Science

Union College invites applications for a three-year faculty position in Computer Science at the rank of Visiting Assistant Professor, beginning September 2018. Research area is open; current faculty research areas include robotics, HCI, NLP, databases, computational complexity, and software design.

Interested candidates should electronically submit a cover letter, curriculum vita, statement of teaching philosophy, and statement of current research interests. Candidates should also request three recommendation letters be submitted. See *cs.union.edu/jobs* for instructions about how to apply. We will begin reviewing applications starting January 15, 2018, and will continue until the position is filled.

Union College is an equal opportunity employer and strongly committed to student and workforce diversity. Union provides a blend of intellectual, social and cultural opportunities to facilitate the integrated academic, social and personal development of a diverse community. We value and are committed to a host of diverse populations and cultures including, but not limited to, those based on race, religion, disability, ethnicity, sexual orientation, gender, gender identity, national origin and veteran status.

The University of Alabama at Birmingham

Associate/Professor of Computer Science

The Department of Computer Science (CS) at the University of Alabama at Birmingham (UAB) is seeking candidates for a tenured faculty position at the Associate or Full Professor rank beginning Fall 2018. For additional information about the Department, please visit: *http://www.cs.uab.edu/.*

Candidates with expertise in all core CS areas are sought, with preference given to Data Centric Disciplines (broadly defined, including but not limited to machine learning, data mining, big data, data and cyber security, high-performance computing, and modeling and simulation of data intensive systems). UAB has made a significant commitment to both research and teaching in Computer Science. Candidates must consequently have strong research and teaching credentials. Experience and success in funded research is required for this position. Successful candidate will have the opportunity to establish and lead a data-centric research center that will be housed in the College of Arts and Sciences (CAS). UAB is a Carnegie "Very High Research Activity" University.

The CS Department at UAB offers PhD, MS, BS, and BA programs. The Department has a strong research focus, and a strong commitment to teaching, service, and outreach. The goal is to grow the PhD, MS, and BS significantly over the next several years. Research funding is expanding

CRA
Computing Research
Association

significantly, and the Department has a leadership role in a Center focusing on Cyber Security. Collaborations with UAB's medical enterprise are strong and growing, with many opportunities for faculty to participate in interdisciplinary work.

A Ph.D. in Computer Science or a closely related field is required. Applications should include a curriculum vitae, a list of publications and scholarly achievements, a statement of future research plans, a statement of teaching experience and philosophy, and at least three reference letters. Applications and all other materials (including reference letters) should be submitted through UAB's portal at People Admin: *https://uab.peopleadmin.com.*

Review of candidates will begin January 15, 2017, and the search will continue until the position is filled.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of ethnicity, gender, faith, gender identity and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans. A pre-employment background investigation is performed on candidates selected for employment.

The University of Alabama at Birmingham

Assistant Professor in Computer Science

The Department of Computer Science (CS) at the University of Alabama at Birmingham

(UAB) is seeking candidates for a tenure-track faculty position beginning Fall 2018. While preference is given to candidates at the Assistant Professor rank, highly qualified candidates at Associate Professor and Professor rank will also be considered. For additional information about the Department, please visit: *http://www.cs.uab.edu/.*

Candidates with expertise in all core CS areas are sought, with preference given to Advanced Computing Systems (broadly defined, including large-scale systems, distributed/parallel systems, and software systems). UAB has made a significant commitment to both research and teaching in Computer Science. Candidates must consequently have strong research and teaching credentials. Experience and success in funded research is desirable for junior-level candidates, and required for senior-level candidates. UAB is a Carnegie "Very High Research Activity" University.

The CS Department at UAB offers PhD, MS, BS, and BA programs. The Department has a strong research focus, and a strong commitment to teaching, service, and outreach. The goal is to grow the PhD, MS, and BS significantly over the next several years. Research funding is expanding significantly, and the Department has a leadership role in a Center focusing on Cyber Security. Collaborations with UAB's medical enterprise are strong and growing, with many opportunities for faculty to participate in interdisciplinary work.

A Ph.D. in Computer Science or a closely related field is required. Applications should include a curriculum vitae, a list of publications and scholarly achievements,

a statement of future research plans, a statement of teaching experience and philosophy, and at least three reference letters. Applications and all other materials (including reference letters) should be submitted through UAB's portal at People Admin: *https://uab.peopleadmin.com.*

Review of candidates will begin January 15, 2017, and the search will continue until the position is filled.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of ethnicity, gender, faith, gender identity and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans. A pre-employment background investigation is performed on candidates selected for employment.

University of Arizona

Assistant, Associate, or Full Professor of Computer Science

The Department of Computer Science invites applications for an open-rank, tenure-track faculty position in computer security. The University of Arizona is building broad strength in security across campus, with positions this year in Computer Science, Electrical and Computer Engineering, Management Information Systems, and Systems and Industrial Engineering.

Professional Opportunities

The Department has a long history of research accomplishment, influential software distribution, and substantial external funding. Current research areas include algorithms, architecture, bioinformatics, compilers, computational geometry, databases, high-performance computing, networks, operating systems, security, vision, and visualization. More information about the University of Arizona and its environs is available at *www.whyUA.com.*

To apply, complete an online application at the UA Human Resources web site, *https://uacareers.com/postings/23618.* Be sure to upload (a) your curriculum vitae, (b) a statement of your research and teaching interests, (c) the names of at least three references, and (d) your letter of interest.

The University of Arizona is an EO/AA employer-M/W/D/V.

University of Arizona

Assistant Professor of Computer Science

The Department of Computer Science at the University of Arizona invites applications for multiple tenure-track positions. The research areas of distributed systems, storage and database systems, algorithms, machine learning, bioinformatics, and high-performance computing are especially desirable. Outstanding candidates in related areas will also be considered.

The Department has a long history of research accomplishment, influential

software distribution, and substantial external funding. Current research areas include algorithms, architecture, bioinformatics, compilers, computational geometry, databases, high performance computing, networks, operating systems, security, vision, and visualization. More information about the University of Arizona and its environs is available at *www.whyUA.com.*

To apply, complete an online application at the UA Human Resources web site, *https://uacareers.com/postings/23171.* Be sure to upload (a) your curriculum vitae, (b) a statement of your research and teaching interests, (c) the names of at least three references, and (d) your letter of interest.

The University of Arizona is an EO/AA employer-M/W/D/V.

Review of applications will begin January 3, 2018 and will continue until the position is filled. Please email *search@cs.arizona.edu* if you have any questions or need assistance.

University of Arizona

Assistant, Associate, or Full Professor of Computer Science (Multiple Positions in Machine Learning)

The Department of Computer Science at the University of Arizona invites applications for multiple positions in machine learning and related areas. These positions are part of a strategic effort at the UA to build a top-notch group in machine learning. We seek applicants

at all ranks. In addition, we are open to coordinated hiring of multiple applicants.

The Department has a long history of research accomplishment, influential software distribution, and substantial external funding. Current research areas include algorithms, architecture, bioinformatics, compilers, computational geometry, databases, high-performance computing, networks, operating systems, security, vision, and visualization. More information about the University of Arizona and its environs is available at *www.whyUA.com.*

To apply, complete an online application at the UA Human Resources web site, *https://uacareers.com/postings/23693.* Be sure to upload (a) your curriculum vitae, (b) a statement of your research and teaching interests, (c) the names of at least three references, and (d) your letter of interest.

The University of Arizona is an EO/AA employer-M/W/D/V.

Review of applications will begin January 3, 2018 and continue until the position is filled. Please email *search@cs.arizona.edu* if you have any questions or need assistance.

University of Arizona

Lecturer or Professor of Practice in Computer Science

The Department of Computer Science at The University of Arizona seeks applicants at all ranks for multiple Lecturer and Professor of Practice

positions. The teaching faculty are critical to the department's mission and are appointed with the expectation of long-term employment. Teaching faculty fully participate in faculty meetings and decision making. The typical teaching load is two courses in each of the Fall and Spring semesters; however, factors such as large class size may reduce that load.

The Lecturer teaching track is non-tenure-eligible, begins with the Lecturer position, and then offers advancement to Senior and Principal Lecturer. Qualifications for these positions include an MS or Ph.D in Computer Science or a closely related discipline. Candidates will be expected to teach effectively in undergraduate Computer Science courses and have extensive knowledge of core Computer Science topics.

The Professor of Practice track is also non-tenure-eligible, begins with the Assistant Professor of Practice position, and then offers advancement to Associate and Full Professor of Practice. We are seeking exceptionally qualified candidates who have demonstrated vision and leadership in Computer Science curricular development and education. Candidates must have a Ph.D in Computer Science or a closely related discipline, or in exceptional cases an MS with significant related experience.

As of Fall 2017, the Department of Computer Science at the University of Arizona has 26 faculty members, including eight Lecturers, of whom four are Senior Lecturers. The Department has a long history of excellent undergraduate

and graduate instruction, research accomplishment, and influential software distribution. Current teaching and research areas span most core areas of Computer Science. The university is located in Tucson, a valley with desert landscape surrounded by mountain ranges. Tucson boasts a warm climate, 350 sunny days per year, with ample opportunities for outdoor activities such as hiking, mountain biking, horseback riding, caving, and rock climbing. More information about the University and its environs is available at *www.whyUA.com*.

To apply, complete an online application at the UA Human Resources web site. The link for the Lecturer positions is: *https://uacareers.com/postings/22939*, and the link for the Professor of the Practice positions is: *https://uacareers.com/postings/22940.* Be sure to upload (a) your curriculum vitae, (b) a statement of your teaching philosophy and interests, and (c) the names of at least three references.

The University of Arizona is an EO/AA employer-M/W/D/V.

Review of applications will begin immediately and will continue until the position is filled. Please email *search@cs.arizona.edu* if you have any questions or need assistance.

University of British Columbia

Assistant professor Computer Science-Tenure-track / Data Science
[Job ID#: 28243 and 28242]

The Irving K. Barber School of Arts and Sciences (IKBSAS) at the University of British Columbia, Okanagan Campus, invites applications for 1 tenure-track Assistant Professor position in Computer Science and 1 term position Assistant Professor in Computer Science with a focus area related to data science with preference in any of the following broad areas: (i) cloud computing and distributed systems, preferably with networking and service architecture knowledge; (ii) machine learning, data analytics, and big data, preferably with a focus on neural networks; (iii) cyber security and networking; or (iv) data visualization, especially in AR/VR/MR.

See *https://mycareers.adm.ubc.ca/psc/erecruit/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=UBC_CE_JOB_DTL&JobOpeningId=28243*

and

See *https://mycareers.adm.ubc.ca/psc/erecruit/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=UBC_CE_JOB_DTL&JobOpeningId=28242*

Professional Opportunities

University of British Columbia

Tenure Track Instructor in Computer Science

The University of British Columbia invites applications for a tenure-track faculty teaching position at the rank of Instructor in the Department of Computer Science on the Vancouver Campus. Preference will be given to applicants who have demonstrated excellence in teaching a wide range of courses in systems and software, such as networking, operating systems, distributed and cloud systems, databases, security and software engineering. UBC Computer Science ([*www.cs.ubc.ca*]) ranks among the top departments in North America, with 57 tenure-track faculty and approximately 200 graduate and 2000 undergraduate students.

This position provides the rare opportunity to pursue a career based on excellence in teaching while participating as a first-class colleague in the intellectually exciting atmosphere of a top-tier computer science department. Instructor is the first rank in a UBC's Educational Leadership Stream career path, which continues with the tenured Senior Instructor rank, and culminates with the Professor of Teaching rank. This path is analogous to the research-oriented faculty progression of tenure-track Assistant Professor, tenured Associate Professor, and Full Professor. Initial appointment will be at the Instructor rank. Currently, the typical teaching load is two courses per term, for a total of four courses each year. Faculty members in the Educational Leadership stream are eligible

to apply for Study Leave (sabbatical) under similar terms to faculty members in the research-oriented stream. The anticipated start date for this position is July 1, 2018.

A PhD or equivalent in Computer Science, Computer Science Education, or a related area is expected. The successful candidate must provide evidence of: demonstrated excellence in and commitment to undergraduate teaching, ability to work independently and to supervise the work of others, promise of educational leadership at the national or international level, and potential for creating innovative instructional environments in both the undergraduate classroom and laboratory. Experience in curriculum development, course design, and other initiatives that advance the University's ability to excel in its teaching and learning mandate is also an asset.

Candidates should submit a CV, a teaching statement, evidence of teaching effectiveness, and the names of at least three references. The statement should include their teaching philosophy, and a record of teaching interests and experience. Candidates are particularly encouraged to highlight qualifications relevant to the areas of special interest in systems and software and with emerging technologies, pedagogical approaches, and research in teaching and learning. Applications are to be submitted online at *https://www.cs.ubc.ca/our-department/ employment/faculty-sessional-positions/tenure-track-faculty-position-teaching-stream*

The website will remain open for submissions through the end of the day on January 5, 2018. The website may remain open past that date at the discretion of the recruiting committee. All applications submitted while the website remains open will be considered.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the BC Human Rights Code including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit or Indigenous person. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

If you have questions about the application process, please contact the Chair of the Instructor Recruiting Committee by email: Steven A. Wolfman, Chair, Instructor Recruiting Committee, Department of Computer Science-Email for questions: *fac-rec-instr@cs.ubc.ca*

(Please do not email applications; submit them through our website)

Professional Opportunities

University of British Columbia

Computer Science/Media Studies – Assistant Professor [Job ID#: 28375]

The Irving K. Barber School of Arts and Sciences (IKBSAS) at the University of British Columbia, Okanagan Campus, invites applications for a tenure-track Assistant Professor position in Computer Science, with a focus on User Experience (UX) and specialization in any of the following areas: Human-Computer Interaction (HCI), data visualization, animation, virtual/augmented/mixed reality.

See *https://mycareers.adm.ubc.ca/psc/erecruit/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=UBC_CE_JOB_DTL&JobOpeningId=28375*

University of California, Berkeley

Department of Electrical Engineering & Computer Sciences and Tte Center for Computational Biology

The University of California, Berkeley invites applications from candidates with strong interest and experience in the development and/or application of computational, mathematical and/or statistical methods to solve problems in the area of Precision Medicine and Health for an approved tenure-track position at the Assistant Professor level to be held jointly in the Department of Electrical Engineering & Computer Sciences and the Center for Computational Biology. The expected start date is July 1, 2018.

For more information about the position, including required qualifications and applications materials, please go to: *http://apptrkr.com/1109538.*

The deadline to apply is December 15, 2017.

For questions, please contact the Search Committee Chair at *eecs-faculty-recruiting@eecs.berkeley.edu.*

UC Berkeley is an AA/EEO employer.

UC Davis

Department of Computer Science and Department of Physics

Faculty position in Network Theory

The University of California, Davis invites applications for a faculty position in network theory, which is an interdisciplinary academic field using graph theory, statistical mechanics, and applied mathematics to elucidate the mathematical foundations underlying the organization and function of networks across a wide range of applied disciplines. The appointment will be at the Assistant or Associate Professor level, with opportunity for a more senior level appointment for an exceptional candidate, with an intended start date of Fall 2018. The appointment will reside in the Department of Computer Science or the Department of Physics, with the ideal candidate qualified to hold a joint appointment based in both departments.

UC Davis is home to a thriving Network Science community that spans all of the university's colleges and units. We seek a scholar who is developing mathematical

principles of networks and is eager to integrate across theory traditions in the mathematical, physical, biological, and social sciences, and partner with our broad existing base of network practitioners to solve crucial societal problems. There is also a vibrant Complexity Sciences Center and Graduate Group in Applied Mathematics that complement the network sciences activities. This effort is a part of a 3-year initiative to hire 10+ new faculty across multiple departments who focus on advanced computational theory and methods, including clusters of hires in computational neuroscience, network science, and data science (see *http://comphip2017.ucdavis.edu/*).

Applicants should have received (or are about to receive) a doctoral degree in Computer Science, Physics, Applied Mathematics or a related field. Expertise in the statistical physics of networks, graph theory, and/or algorithms for networks with applications to social, ecological, biological or technological networks is desired. Candidates must have demonstrated excellence in research and a commitment to quality teaching. Candidates at the Associate (or above) level should have a strong record of publications and research funding, international recognition, proven leadership skills in collaborative research efforts, and an excellent teaching record at the undergraduate and graduate level. Successful applicants will be expected to establish a top-quality research program and to teach both graduate and undergraduate courses. The departments

are interested in candidates who have experience working with students from diverse backgrounds and a demonstrated commitment to improving access to higher education for disadvantaged students.

Submit your application at *https://recruit.ucdavis.edu/apply/JPF01929*. **Application materials** consist of: (1) Cover letter; (2) Curriculum Vita; (3) Statement of Research; (4) Statement of teaching (including a list of particular classes of interest in CS and/or Physics); (5) List of names of 3-4 references if Assistant, or 4-5 references if Associate (or higher), level is requested; (6) 3-

4 sample publications (with 4 required for Associate level and above); (7) Statement of Contributions to Diversity (*http://academicaffairs.ucdavis.edu/diversity/equity_inclusion/index.html*)

For more information contact Professor Raissa D'Souza, *raissa@cse.ucdavis.edu*

To ensure full consideration, applications must be submitted by December 15th, 2017. We will begin requesting formal letters of recommendation at that time. The position will remain open until filled.

University of California, Riverside

Dean of the Bourns College of Engineering

The University of California, Riverside (UCR) seeks a world-class academic and administrative leader to serve as the next Dean of the Bourns College of Engineering (BCOE). UCR is consistently ranked as one of the most ethnically and

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THE UNIVERSITY OF BRITISH COLUMBIA

The University of British Columbia
Department of Computer Science
Tenure-Stream Faculty Positions

The Department of Computer Science at the University of British Columbia (Vancouver) invites applications for up to three positions to be filled at the rank of Assistant Professor. Applicants in all areas of Computer Science are invited to apply. UBC Computer Science (www.cs.ubc.ca) ranks among the top departments in North America, with a strong record of excellence in research and in graduate and undergraduate teaching. The anticipated start date is July 1, 2018, and is subject to budgetary approval.

A PhD in Computer Science or a related area is required. Applicants must demonstrate evidence of research success and a high potential to be leaders in their research field. Successful candidates will develop and maintain an internationally-recognized research program, and are expected to effectively supervise graduate students, collaborate with other faculty members, obtain external funding, teach computer science courses for undergraduate and graduate students, and actively participate in departmental activities. The potential of an applicant's research program to complement and extend the existing research and teaching strengths of the department will be an important factor in selection.

Applicants must submit a CV, a research statement, a teaching statement, and the names of at least three references. The teaching statement should include a record of teaching interests and experience. Applications may be submitted online at https://apps.cs.ubc.ca/fac-recruit/research/apply/form.jsp. Full consideration will be given to submissions received by December 17, 2017. Applications past the deadline may continue to be considered as long as the submission website remains open

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the BC Human Rights Code including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit or Indigenous person. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

For questions about the application process, contact Michael Friedlander, Chair of Faculty Recruiting, at fac-rec@cs.ubc.ca.

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socioeconomically diverse universities in the country and is recognized for the strength of its faculty and research through competitive awards and extramural funding.

Since its founding in 1989, BCOE has made great strides in research, teaching, and service. The next dean will have an opportunity to take the College to new levels of success, leading the transformation of BCOE into a nationally and internationally recognized powerhouse of engineering innovation. Today, BCOE is home to 110 faculty, seven academic departments and programs, and eight research centers. The College offers nine bachelor's degree programs, eight master's degree programs, and six Ph.D. programs, serving 2,600 undergraduate and 800 graduate students. Annual research expenditures in 2016 were nearly $40 million. BCOE has been ranked in the top 10 for research impact by Leiden University rankings for engineering and natural sciences, and four out of six doctoral programs at BCOE have been ranked in the top quartile by the National Research Council.

The successful Dean will have a distinguished academic record commensurate with the rank of Professor at the University of California; significant administrative experience; and a deep commitment to diversity and inclusion.

For best consideration, please apply by January 12, 2018 at *https://aprecruit.ucr.edu/apply/JPF00850.* A position profile is available at *www.imsearch.com/6373;* please direct any inquiries or nominations to the search firm representatives listed there.

The University of California is an Equal Opportunity / Affirmative Action Employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.

UC San Diego

Assistant Teaching Professor with Potential Security of Employment

The UCSD Department of Computer Science and Engineering (CSE) invites applications for an Assistant Teaching Professor with potential security of employment (similar to tenure-track). The teaching faculty series at UC San Diego carries equivalent rights and responsibilities to the more traditional UC San Diego research-focused faculty series. Teaching Professors are expected to place a stronger emphasis on teaching and scholarly activity related to education than on traditional disciplinary research activities.

We seek candidates who have demonstrated that they are strong computer science and engineering educators. Candidates should also be engaged in, or have the potential to engage in, scholarly activity outside the classroom that has resulted or will likely result in advances in computer science and engineering education. Successful candidates must show commitment to educating a broad and diverse group of students and in working to increase the participation and success of students from groups underrepresented in computer science. Candidates are required to have a Ph.D. degree or to have advanced to candidacy in computer science (including computer science education) or a related area by the time of application.

Applications received by December 4, 2017 will be given full consideration. However, positions remain open until filled.

To apply, please submit the materials described below at the website: *https://apol-recruit.ucsd.edu/apply/JPF01614*

UCSD is an equal opportunity and affirmative action employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. Women and minority applicants, veterans and persons with disabilities are encouraged to apply (see *http://diversity.ucsd.edu*).

Professional Opportunities

UC San Diego

Lecturer with Potential Security of Employment in Data Science Program

The UC San Diego Data Science Undergraduate Program (joint endeavor of the Departments of Computer Science and Engineering, Mathematics and Cognitive Science) invites applications for an Assistant Teaching Professor with potential security of employment (a tenure-track teaching faculty position). The teaching faculty series at UC San Diego (whose official title is "Lecturer with (Potential) Security of Employment") carries equivalent rights and responsibilities as the more traditional tenure-track faculty series, but with a stronger emphasis on teaching supplemented by scholarly activity related to data science research, practice and application.

The successful candidates will provide guidance, leadership, and innovation for the data science undergraduate program, with a specific focus on both adding to the high quality of these programs and on broadening the diversity of the student body in these programs. A Ph. D. or advancement to candidacy in Computer Science & Engineering, Mathematics, Statistics or disciplines related to data science is required at the time of application.

The Data Science Undergraduate Program is committed to building an excellent, diverse, and inclusive faculty, staff and student body. In addition to the highest standards of scholarship, teaching, and professional activity, the preferred candidates for any

position will have potential or demonstrated contributions to a climate that supports equity, inclusion, and diversity.

Applications received by February 1, 2018 will be given full consideration. However, positions remain open until filled.

To apply, submit the materials described below at the website:

https://apol-recruit.ucsd.edu/apply/ JPF01643

UC San Diego

Tenure-track Assistant Professor positions in Computer and Engineering

The UCSD Department of Computer Science and Engineering (CSE) invites applications for multiple tenure-track faculty positions at Assistant Professor rank. Our focus this year is on candidates who advance research in advance research in security, machine learning and human-computer interaction. However, outstanding candidates in all areas will be seriously considered. Candidates with experience or willingness to engage in activities that contribute to diversity and inclusion are especially encouraged to apply.

Successful applicants are expected to lead a vigorous research program and will be required to teach university students. A Ph.D. or advancement to candidacy in Computer Science & Engineering or related disciplines is required at the time of application. We encourage candidates to send applications as soon as possible. Applications received by January 16, 2017 will be given full consideration. However, positions remain open until filled.

To apply, submit the materials described below at the website:

https://apol-recruit.ucsd.edu/apply/ JPF01619

UCSD is an equal opportunity and affirmative action employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. Women and minority applicants, veterans and persons with disabilities are encouraged to apply (see *http://diversity.ucsd.edu*).

Professional Opportunities

UCSB UNIVERSITY OF CALIFORNIA SANTA BARBARA

Assistant, Associate, and Full Professors - Computer Science

The Department of Computer Science at the University of California, Santa Barbara is continuing a period of strategic growth, with plans for new faculty positions that will add to core strengths, explore new and emerging areas of the field, and leverage opportunities across disciplinary boundaries. Towards this goal, the department invites applications for multiple tenure-track and tenured appointments at all levels (Assistant, Associate, and Full Professor), for the 2018-2019 academic year. Applicants must have completed the requirements necessary to have a Ph.D. conferred in Computer Science or a related discipline by the time of appointment. We are looking for exceptional individuals from all areas of Computer Science who have a track record of research excellence, a passion to shape the future of the field, and the potential to become an outstanding leader in research and education.

UC Santa Barbara is a premier public research university. The Department of Computer Science is part of the highly-regarded College of Engineering, which includes among its faculty three Nobel laureates and 29 members of the National Academy of Engineering. Additional information about the department, our faculty, and our academic programs can be found at http://www.cs.ucsb.edu.

Applications should be submitted electronically as PDF documents to the UC Recruit online system. Assistant Professor candidates are strongly encouraged to apply separately to both positions.

- **http://apptrkr.com/1110329JPF01121** (Asst. level)
- **http://apptrkr.com/1110329JPF01122** (All levels)

while Associate and Full Professor candidates should apply to the latter position. For primary consideration apply by November 22, 2017; however, the positions will remain open until filled.

For JPF01121 all applications must include a cover letter, curriculum vitae, statements of research and teaching interests, at least three and no more than five letters of reference, and the candidate's top threepublications.

For JPF01122 all applications must include a cover letter, curriculum vitae, statement of research, and contact information for three references. Additionally, applicants to the junior level positions are expected to submit the following optional documents: statement of teaching, and three publications. In your cover letter, please indicate whether you are applying to a tenure-track position or a tenure position.

The department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching, and service.

The University of California is an Equal Opportunity/Affirmative Action Employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

UCSB UNIVERSITY OF CALIFORNIA SANTA BARBARA

Lecturer, Computer Science

The Department of Computer Science at the University of California, Santa Barbara seeks applications for a full-time Lecturer with Potential Security of Employment (similar to tenure-track) in the area of Computer Science with a desired start date of Fall quarter 2018.

The primary criteria for this position are teaching ability of exceptional quality and the promise of future growth. We seek an individual with enthusiasm for teaching undergraduate courses in a variety of areas of computer science, with a breadth of knowledge in computer science and its emerging applications in diverse fields. A successful applicant should be committed to teaching excellence, curriculum leadership and development, and student mentoring, all in collaboration with other faculty. Research, although not required for Lecturer with Security of Employment track positions, is also reviewed when available. The position is to begin with the 2018-19 academic year, and salary will be commensurate with experience.

At the University of California, the position of Lecturer with Potential Security of Employment is intended to lead to security of employment (analogous to tenure), and is an Academic Senate faculty position designed to meet the long-term instructional needs of the university. Individuals appointed with this title engage in teaching, professional activities, and university and public service.

A Ph.D. degree in Computer Science, Computer Engineering or a related field is preferred. Ph.D. candidates who expect degree completion by July 1, 2018 may apply, but any offer may be contingent on the Ph.D. being conferred before the candidate's start date. Candidates are encouraged to highlight demonstrated teaching excellence, as well as any relevant industry experience they would bring to this position. Applications should include a cover letter, curriculum vitae, teaching statement (2-page limit), and at least three letters of reference and no more than 5.

Applications must be submitted electronically at: **http://apptrkr.com/1106432**

Applications received by December 15, 2017 will be given priority consideration, but the position will remain open until filled. Candidates are urged to learn more about UCSB Computer Science Department at http://www.cs.ucsb.edu.

The department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service.

The University of California is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

University of California, Santa Barbara

Two Tenure-Track Assistant Professor Positions in Computer Engineering

The Electrical and Computer Engineering Department at UCSB invites applications for two tenure-track, assistant professor positions the field of Computer Engineering with an effective appointment date of July 1, 2018.

Please visit *https://recruit.ap.ucsb.edu/apply/JPF01145*

The University of California is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

University of Central Florida

Associate Professor in Disability, Aging Technology Cluster

The University of Central Florida (UCF) has established several interdisciplinary clusters to strengthen its academic offerings and research mission. The Disability, Aging, and Technology (DAT) cluster is seeking to hire one tenured associate professor to facilitate research collaborations, secure external funding,

and demonstrate a strategic vision for developing educational programs that link health and wellness interventions with technology applications. Some areas of expertise may include human-computer interaction, design and evaluation of sociotechnical systems for health domains, robotics and assistive technologies, health informatics or data analytics, or the intersection of aging/disability research with technology-focused interventions. Exceptionally well-qualified candidates will be considered for the "Cluster Lead" designation. The selected candidate should exhibit the desire/ability to act as a bridge between cluster faculty in human/technology sciences to build synergistic collaborations across the university. A strong desire for and track record of working in interdisciplinary teams is preferred. This position has an anticipated start date of August 2018.

DAT is a partnership among six colleges/units: the Colleges of Health and Public Affairs, Nursing, Sciences, Engineering and Computer Science, Hospitality Management, and the Nanoscience Technology Center. The successful candidate will be expected to strengthen both the cluster and their chosen tenure home department. The candidate will be able to choose their tenure home from the aforementioned colleges and cluster faculty are also encouraged to seek joint appointments with other units where appropriate.

UCF is one of the nation's largest universities with a diverse student body and has grown substantially in size, quality, diversity, and reputation in its first 50 years. UCF offers more than 200 degree programs

at its main campus in Orlando, attracting and supporting industries vital to the region while providing students with real-world experiences that help them succeed after graduation. We encourage you to learn more about UCF at *https://www.ucf.edu/faculty/faculty-research-clusters/*.

UCF requires all applications and supporting documents to be submitted electronically through the Human Resources website. This position is located at *http://www.jobswithucf.com/postings/51350*.

As an equal opportunity/affirmative action employer, UCF encourages all qualified applicants to apply, including women, veterans, individuals with disabilities, and members of traditionally underrepresented populations. UCF's Equal Opportunity Statement can be viewed at: *http://eeo.ucf.edu/documents/PresidentsStatement.pdf*. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

Review of applications will begin immediately and continue until the position is filled.

Temporary Lecturer in Computer Science

The Department of Computer Science at the University of California, Santa Barbara invites applications for a pool of qualified temporary lecturers to teach undergraduate or graduate Computer Science courses. Screening of applicants is ongoing and will continue as needed. The first review date is December 21, 2017.

The number of positions varies from quarter to quarter, depending on the needs of the department. Positions may range from one quarter to one year with the possibility of reappointment depending on performance and further departmental need. Terms and conditions of employment are subject to UC policy and any appropriate collective bargaining agreement.

The minimum qualification required to be an applicant is a Masters in Computer Science or related field. Preferred qualifications are a PhD in Computer Science or related field and at least one year of teaching experience. Salary is based on UC's salary scales and depends upon qualifications. The department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through teaching.

To apply, please go to the following link: **http://apptrkr.com/1135910**. Applicants should submit a cover letter and curriculum vitae. A teaching statement is optional but recommended. Applicants should also arrange to have 2 letters of recommendation submitted on their behalf via UC Recruit.

The posting will remain open until October 31, 2018 to accommodate department needs. If you would like to continue to be considered after that time, and the pooled position is advertised again, you will need to submit a new application.

Please note: The use of a lecturer pool does not guarantee that an open position exists at the time you are applying. See the review date specified in UC Recruit to learn whether the department is currently reviewing applications for an upcoming opening. If there is no future review date specified, your application may not be considered at this time.

The University of California is an Equal Opportunity/Affirmative Action Employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

University of Central Florida

Tenure-Track Faculty Position, Deep Learning

http://www.ucf.edu/faculty/
The Center for Research in Computer Vision (CRCV) at UCF (*www.ucf.edu*) solicits applications for a tenure-track Assistant Professor position in the area of Deep Learning. CRCV (http://www.crcv.ucf.edu) is the world class leader in the computer vision research and related disciplines, including but not limited to the algorithmic aspects of deep learning and their applications in computer vision.

CRA
Computing Research
Association

University of Central Florida

Assistant or Associate Professor, Computer Science

The Department of Computer Science (CS) at the University of Central Florida (UCF) is seeking applicants for two faculty positions with an anticipated start date of August 8, 2018. The positions will carry the rank of assistant or associate professor. Rank (and tenure for associate professors) will be based on the candidate's prior experience and record.

The department is particularly interested in candidates with experience in the areas of human computer interaction, virtual reality, robotics, data science, algorithms, theory of computing, financial technology, and software engineering and systems. However, all relevant technical areas will be considered. The ideal candidate will have a strong research background and be on an upward leadership trajectory in their research area. They will have research impact, as reflected in high-quality publications and the ability to build a well-funded research program.

The CS Department is home to the first computer science Ph.D. program in the state. Its 38 tenured and tenure-track faculty are engaged in world-class research in Computer Vision, AI and Machine Learning, Virtual Reality, HCI, data analytics, cyber security and privacy, and several other areas. The department has both CS and IT undergraduate degrees accredited by ABET, M.S. degrees in CS, Digital

Forensics, and Data Analytics and, a Ph.D. in CS. To learn more about the department see *http://www.cs.ucf.edu/*.

UCF is one of the nation's largest universities. As an economic engine, UCF attracts and supports vital industry to Orlando. UCF is located at the center of the Florida High Tech Corridor where industries include software, defense, space, simulation and training, and entertainment. Next to UCF is a thriving research park that conducts over $2 billion in funded research. Great weather, easy access to the seashore, one of the largest convention centers in the nation, and one of the world's best airports are just a few features that make Orlando an ideal location. Learn more about UCF at *http://www.ucf. edu/faculty*.

Applicants must have a Ph.D. from an accredited institution in an area appropriate to the department, including Computer Science, Computer Engineering, or Mathematics by the time of the appointment.

In order to obtain tenure, the selected candidate must have a demonstrated record of teaching, research and service commensurate with rank in the tenure department.

As an equal opportunity/affirmative action employer, UCF encourages all qualified applicants to apply, including women, veterans, individuals with disabilities, and members of traditionally underrepresented populations. UCF's Equal Opportunity Statement can be

UNIVERSITY OF CALIFORNIA
SANTA CRUZ

Department of Computational Media Faculty Search

The Department of Computational Media at the University of California, Santa Cruz invites applications for four faculty positions. Two of them are in Games and Playable Media and the other two are in Serious Games. These positions are a cluster hire of four faculty associated with a proposed Professional MS program in Serious Games and the existing Professional MS program in Games and Playable Media, both located in the UCSC Silicon Valley Campus in Santa Clara, California. The primary office for these positions is located in Santa Clara, due to the expectation of teaching and mentoring students in this location. Space for PhD students for these positions is also located in Santa Clara. Faculty that are hired to fill these positions are expected to spend multiple days per week in Santa Clara, and are also expected to spend on average one day per week on the Santa Cruz campus (more during Santa Cruz teaching quarters). Successful candidates will need to provide or arrange for their own transportation between Santa Clara and Santa Cruz, with or without accommodations.

We encourage candidates to apply for more than one position, if appropriate. Links to the job fliers and basic qualifications are listed below for all four positions.

Games and Playable Media Assistant Professor
BASIC QUALIFICATIONS: A Ph.D. or equivalent foreign degree in Computer Science, Digital Media, Human Computer Interaction, Computer Games, Computational Media or other relevant field, expected to be completed by June 30, 2018; demonstrated record of research and teaching experience.
POSITION AVAILABLE: July 1, 2018 (with academic year beginning September 2018). All Ph.D. requirements must be completed by June 30, 2019 for employment beyond that date.
CLOSING DATE: Review of applications will begin on January 8, 2018. To ensure full consideration, applications must be complete by this date. The position will remain open until filled, but not later than 6/30/2018.
To Apply: **https://apo.ucsc.edu/academic_employment/jobs/JPF00492-18.pdf**

Serious Games Assistant Professor
BASIC QUALIFICATIONS: A Ph.D. or equivalent foreign degree in Computer Science, Digital Media, Human Computer Interaction, Computer Games, Computational Media or other relevant field, expected to be completed by June 30, 2018; demonstrated record of research and teaching experience.
POSITION AVAILABLE: July 1, 2018 (with academic year beginning September 2018). All Ph.D. requirements must be completed by June 30, 2019 for employment beyond that date.
CLOSING DATE: Review of applications will begin on January 8, 2018. To ensure full consideration, applications must be complete by this date. The position will remain open until filled, but not later than 6/30/2018.
To Apply: **https://apo.ucsc.edu/academic_employment/jobs/JPF00494-18.pdf**

Serious Games Associate Professor
BASIC QUALIFICATIONS: Ph.D. or equivalent foreign degree in Computer Science, Digital Media, Human Computer Interaction, Computer Games, Computational Media, or other relevant field; demonstrated record of research; demonstrated record of publications; demonstrated experience in university teaching at the graduate and undergraduate levels; a demonstrated record of extramural funding; and, a demonstrated record of University and public service.
POSITION AVAILABLE: July 1, 2018 (with academic year beginning September 2018).
CLOSING DATE: Review of applications will begin on January 8, 2018. To ensure full consideration, applications must be complete by this date. The position will remain open until filled, but not later than 6/30/2018.
To Apply: **https://apo.ucsc.edu/academic_employment/jobs/JPF00495-18.pdf**

Games and Playable Media Teaching Professor
BASIC QUALIFICATIONS: B.S./B.A./B.F.A., or equivalent foreign degree, and ten years of industry experience relevant to games and playable media; or M.S./M.A./M.F.A., or equivalent foreign degree, and five years of industry experience relevant to games and playable media, or a Ph.D. or equivalent foreign degree in Computer Science, Digital Media, Human Computer Interaction, Computer Games, Computational Media or other relevant field. Demonstrated experience in university teaching at the graduate and undergraduate levels in games and playable media. Demonstrated record of professional achievement or contributions to games and playable media via publication (either in traditional forms or in electronic format), creative accomplishments, or other professional activity. Demonstrated record of University and public service.
POSITION AVAILABLE: July 1, 2018 (with academic year beginning September 2018).
CLOSING DATE: Review of applications will begin on January 8, 2018. To ensure full consideration, applications must be complete by this date. The position will remain open until filled, but not later than 6/30/2018.
To Apply: **https://apo.ucsc.edu/academic_employment/jobs/JPF00493-18.pdf**

viewed at: *http://eeo.ucf.edu/documents/ PresidentsStatement.pdf.* As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

Candidates must apply online at *www. jobswithucf.com* and attach the following materials: a cover letter, curriculum vitae, teaching statement, research statement, and contact information for three professional references.

NOTE: Please have all documents ready when applying so they can be attached at that time. Once the online submission process is finalized, the system does not allow applicants to submit additional documents at a later date.

For questions regarding this opportunity, please contact the department via email at *cssearch@cs.ucf.edu.*

University of Chicago

Assistant Professor/Associate Professor/ Professor, Computer Science

The Department of Computer Science at the University of Chicago invites applications from qualified candidates for faculty positions at the ranks of Assistant Professor, Associate Professor, and Professor. The University of Chicago has embarked on an ambitious, multi-year effort to significantly expand its computing and data science activities. Candidates with research interests in all areas of computer science will be considered. However, applications are

especially encouraged in the areas of AI and Machine Learning, Robotics, Data Analytics, Human-Computer Interaction, and Visual Computing.

Candidates must have demonstrated excellence in research and a strong commitment to teaching. Completion of all requirements for a Ph.D. in Computer Science or a related field is required at the time of appointment. Candidates for Associate Professor and Professor

positions must have demonstrated leadership in their field, have established an outstanding independent research program and have a record of excellence in teaching and student mentorship.

Applications must be submitted through the University's Academic Jobs website.

To apply for Assistant Professor, go to *http://tinyurl.com/ya46ybql*

UCF **Stands For Opportunity**

University of Central Florida (UCF)

Department of Electrical & Computer Engineering (ECE)

The department has openings for exceptional tenured or tenure-track faculty members, three in ECE as well as multiple in UCF's energy systems and cyber security clusters.

All areas of ECE are considered. Of special interests are mid-career or entry-level candidates in controls, brain monitoring and biomedical sensing, high-frequency circuits, machines and drives, power devices, robotics, energy harvesting and storage, energy efficient computing, embedded systems, GPU design and multicore systems, embedded software, mobile computing devices, IoT, and big data.

The cluster of Resilient, Intelligent and Sustainable Energy Systems (RISES) has one open faculty position at the entry-level level. The areas of interest include infrastructure systems, smart city and connected community. More details can be found at our cluster website http://www.ucf.edu/research/RISES.

The cluster of Cyber Security and Privacy has multiple open positions, and the areas of interests relevant to ECE are IoT security and secure cyber physical systems.

UCF offers a competitive salary and start-up package as well as generous benefits. New faculty members have graduate student support and significantly reduced teaching loads during their first two years of tenure-track employment.

All applicants must have a Ph.D. in an area appropriate to the ECE disciplines by the start of the appointment and a strong commitment to academic activities, including teaching, scholarly publications and sponsored research. Successful candidates will have an exceptional record of scholarly research and, at the senior levels, be highly recognized for their technical contributions and leadership in their areas of expertise.

ECE has strong educational and research programs, with over 300 graduate students and 1,000 undergraduates, and a state-of-the-art facility, the Harris Engineering Center. The department has three competitively-awarded research centers: FEEDER funded by Department of Energy, the Electric Vehicle Research Center funded by the US Department of Transportation, and MIST funded by NSF. Additional research sponsors include DARPA, NASA, ARO, AMD, Analog Devices, Harris, Intel, L-3 Communication, Leidos, Lockheed Martin, Siemens, and Texas Instruments as well as local high-tech start-ups.

UCF has over 63,000 students and is the nation's second largest university. Located in Orlando, ECE and UCF are at the center of Florida High Tech Corridor with an excellent industrial base in telecommunications, energy, computer systems, semiconductors, defense, space, lasers, simulation, software and the world-renowned entertainment/theme park industry. Exceptional weather, easy access to the seashore, one of the largest convention centers in the nation and an international airport that is among the world's best are just a few features that make the UCF/Orlando area ideal.

UCF is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply, including minorities, women, veterans and individuals with disabilities. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

Please send your inquiry to facultysearch@ece.ucf.edu for ECE positions or to RISES@ece.ucf.edu for RISES positions. To submit an application, go to the following link(s).

ECE positions: http://www.jobswithucf.com/postings/50748
RISES Cluster position: https://www.jobswithucf.com/postings/50414
Cyber Cluster positions: https://www.jobswithucf.com/postings/50404

To apply for Associate Professor, go to
http://tinyurl.com/ydgx33eu

To apply for Professor, go to
http://tinyurl.com/yaqpar49

To be considered as an applicant, the following materials are required:

- cover letter

- curriculum vitae including a list of publications

- statement describing past and current research accomplishments and outlining future research plans

- description of teaching philosophy and experience

- the names of at least three references

Reference letter submission information will be provided during the application process.

Applications received by December 15, 2017 will be given priority consideration.

The University of Chicago has the highest standards for scholarship and faculty quality, is dedicated to fundamental research, and encourages collaboration across disciplines. We encourage connections with researchers across campus in such areas as bioinformatics, mathematics, molecular engineering, natural language processing, statistics, public policy, and social science to mention just a few.

The Department of Computer Science (*cs.uchicago.edu*) is the hub of a large, diverse computing community of two hundred researchers focused on advancing foundations of computing and driving its most advanced applications. The larger computing and data science community at the University of Chicago includes the Department of Statistics, the Computation Institute, the Toyota Technological Institute at Chicago (TTIC), the Polsky Center for Entrepreneurship and Innovation, the Mansueto Institute for Urban Innovation and the Argonne National Laboratory.

The Chicago metropolitan area provides a diverse and exciting environment.

The local economy is vigorous, with international stature in banking, trade, commerce, manufacturing, and transportation, while the cultural scene includes diverse cultures, vibrant theater, world-renowned symphony, opera, jazz, and blues. The University is located in Hyde Park, a Chicago neighborhood on the Lake Michigan shore just a few minutes from downtown.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law. For additional information please see the University's Notice of Nondiscrimination at *http://www.uchicago.edu/about/non_discrimination_statement/.* Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-0287 or email *ACOppAdministrator@uchicago.edu* with their request.

University of Chicago

Clinical Assistant Professor/Associate Professor/Professor, Masters Program in Computer Science

The Masters Program in Computer Science (MPCS) at the University of Chicago invites applications for all ranks of the Clinical appointment (Clinical Assistant Professor, Clinical Associate Professor, and Clinical Professor). These full-time, benefit-eligible appointments are for an initial three- year

term, with possibility of renewal. This is a teaching-focused position with no research responsibilities, and a teaching load of six courses across three academic quarters of the year (Fall, Winter, Spring). MPCS classes range in size from 7-60 students depending on student interest.

As part of its curriculum, the MPCS requires students to take several core courses, with the goal of building a solid foundation in core computer science concepts before students move on to the more industry-oriented elective courses in the program. Applicants to this position will be considered specifically for the core systems courses, and must be able to teach at least three of the following: Introduction to Computer Systems, Networks, Operating Systems, Distributed Systems, Compilers, Computer Architecture, and Databases.

Successful candidates will have exceptional competence in teaching and superior academic credentials. Applicants must have a Ph.D in Computer Science or a related field at time of appointment and have experience teaching Computer Science at the undergraduate or graduate level.

Applicants must apply on line at the University of Chicago Academic Careers website at *http://tinyurl.com/yayubzwy.*

Applicants must upload a curriculum vitae, a one page teaching statement, and a list of three references. Review of complete applications will begin December 15, 2017, and continue until the positions are filled.

The Masters Program in Computer Science (*http://csmasters.uchicago.edu/*) is a terminal MS degree in Computer Science that provides a rigorous introduction to the foundations of Computer Science, while also providing in-depth and hands-on instruction in cutting-edge and industry-driven topics, including Web and Mobile Application Development, Big Data, Cloud Computing, Data Analytics, etc. The program attracts a diverse mix of students including full-time students who are typically no more than 5 years out of college, part-time students who already work in industry, and international students.

The Chicago metropolitan area provides a diverse and exciting environment. The local economy is vigorous, with international stature in banking, trade, commerce, manufacturing, and transportation, while the cultural scene includes diverse cultures, vibrant theater, world-renowned symphony, opera, jazz and blues. The University is located in Hyde Park, a Chicago neighborhood on the Lake Michigan shore just a few minutes from downtown.

The University of Chicago is an Affirmative Action/Equal Opportunity/ Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law. For additional information please see the University's

Notice of Nondiscrimination at *http://www.uchicago.edu/about/non_discrimination_statement/*. Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-0287 or email *ACOppAdministrator@uchicago.edu* with their request.

University of Colorado Boulder

Open Rank Instructor of Information Science

The newly established Department of Information Science at the University of Colorado Boulder seeks outstanding candidates for a non-tenure track open rank instructor position starting in Fall 2018. Successful candidates will help shape the future of Information Science—as a Department and as a discipline. With a faculty with strengths in both computer science and the social sciences, the Department takes a progressive approach to the discipline of Information Science, focusing on human-data interaction in all its diverse forms and contexts.

The primary responsibility of the instructor will be to teach multiple lower-division undergraduate courses in computing and computational thinking. Candidates must have earned a graduate degree, and have demonstrable experience in classroom teaching of undergraduate students in computing- and information science-related topics, especially to novices. Candidates must show evidence of commitments to high-quality teaching and to creating an educational environment that is welcoming to a diverse body of students.

The University of Colorado is an Equal Opportunity/Affirmative Action Employer committed to building a diverse workforce. We encourage applications from women, racial and ethnic minorities, individuals with disabilities and veterans. For more information and to apply, see the official ad at *https://cu.taleo.net/careersection/2/jobdetail.ftl?job=11550*.

University of Colorado Boulder

Faculty Positions in Data Science, Machine Learning, and Security

The College of Engineering and Applied Science at the University of Colorado Boulder invites applications for two tenure-line faculty positions beginning Fall 2018. This is an interdisciplinary search in data science, machine learning, and security, conducted by the Departments of Computer Science, Electrical, Computer and Energy Engineering, and Aerospace Engineering Sciences. Candidates are encouraged to demonstrate interdisciplinary work and must clearly indicate their areas of relevant research expertise in their cover letters. Successful candidates will be rostered in suitable home departments within the College.

Candidates are expected to complement and strengthen the existing college research portfolio or develop new high-impact research directions. A demonstrated ability/record of excellence working with and contributing to a climate that attracts and supports students of all races, nationalities, and genders is expected. A successful candidate has a doctorate in computer science or engineering or a closely related scientific field, a significant commitment to scholarship, the potential to develop a successful externally funded research program, and ability to teach at both the undergraduate and graduate levels in computer science and engineering. One position is at the assistant professor level, and the other position is open as to rank.

By January 15, 2018, interested persons should apply through the web site *http://www.cu.edu/cu-careers* (job 11159) and submit electronic files (pdf format) containing a cover letter, curriculum vita, two-page statements of research and teaching interests, and the names, addresses, and telephone numbers of at least three professional references. Review of applications will begin immediately, and will continue until the positions are filled. Additional information regarding the College of Engineering search process as well as our research and academic programs can be found at *http://www.colorado.edu/engineering/*.

The University of Colorado is an Equal Opportunity Employer committed to building a diverse workforce. We encourage applications from women, racial and ethnic minorities, individuals with disabilities and veterans. Alternative formats of this ad can be provided upon request for individuals with disabilities by contacting the ADA Coordinator at:

hr-ada@colorado.edu. The University of Colorado Boulder is committed to providing a safe and productive learning and living community. To achieve that goal, we conduct background investigations for all final applicants being considered for employment.

University of Colorado

Associate/Full Professor of Information Science

The recently established Department of Information Science in the College of Media, Communication and Information at the University of Colorado Boulder seeks outstanding candidates for a regular faculty appointment at the associate professor or professor level. Successful candidates will help shape the future of Information Science—as a Department and as a discipline. With a faculty with strengths in both computer science and the social sciences, the Department takes a progressive approach to the discipline of Information Science, focusing on human–data interaction in all its diverse forms and contexts.

We are open to any research specialty area in information science, though we have a particular interest in candidates who work in machine learning or visualization. We expect the successful candidate to take a strong role in the organizational and intellectual life of the department. Applications will be evaluated beginning January 5, 2018. The search will continue until the position is filled.

The University of Colorado is an Equal Opportunity Employer committed to building a diverse workforce. We encourage applications from women, racial and ethnic minorities, individuals with disabilities, and veterans. For more information and to apply, see *https://cu.taleo.net/careersection/jobdetail.ftl?job=11961&lang=en.*

University of Denver

Teaching Assistant Professor

The Department of Computer Science at the University of Denver is committed to building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment. We invite applications for one full-time non-tenure track Teaching Assistant Professor for the 2017-2018 academic year beginning **September 1, 2018.**

Candidates must apply online through *www.du.edu/jobs* to be considered. Only applications submitted online will be accepted. Once within the job description online, please click New Resume/CV at the bottom of the page to begin application. If you have questions regarding this position, please contact: Scott Leutenegger at *leut@cs.du.edu*

University of Edinburgh

Lecturer/Senior Lecturer/Reader in Security and Privacy

The School of Informatics at the University of Edinburgh invites applications for a

Lecturer/Senior Lecturer/Reader (Assistant Professor/Associate Professor) in the area of Security and Privacy.

Closing date: 19 January 2018

To apply please follow the link below: *https://www.vacancies.ed.ac.uk/pls/corehrrecruit/erq_jobspec_version_4.jobspec?p_id=042150*

University of Georgia

Tenure-track Assistant Professor in Computer Science

The Department of Computer Science at the University of Georgia invites applications for two tenure-track assistant professor positions, starting August 2018. Applicants should hold a PhD in Computer Science or closely related field, have a strong research record, and be committed to excellence in both research and teaching. We are especially interested in hiring a candidate with a research background in any area of Robotics and another one with a research background in Computational Science, High Performance and Distribute Computing. Please see *http://www.cs.uga.edu* for more information about the department and *http://uga.edu/* for information about UGA.

To apply for Robotics, please go to *http://facultyjobs.uga.edu/postings/2915*

To apply for Computational Science, High Performance and Distribute Computing, please go to *http://facultyjobs.uga.edu/postings/2913*.

Please upload a cover letter, curriculum

vitae, and short statements of research interests and teaching philosophy. Please provide contact information (email) for three references.Review of candidates will begin on December 01, 2017 and will continue until the positions are filled.

University of Georgia

Tenure-track Assistant Professor in Computer Science

The Department of Computer Science at the University of Georgia invites applications for two tenure-track assistant professor positions, starting August 2018.

Applicants should hold a PhD in Computer Science or closely related field, have a strong research record, and be committed to excellence in both research and teaching.

We are especially interested in hiring a candidate with a research background in the area of Computer Security with emphasis on hardware-related security research topics, including but not limited to:

- Architecture-supported security features
- Applications of SGX, SEV, ARM TrustZone, etc.
- Hardware-supported cryptographic primitives
- In-hardware cryptosystems
- Programmable hardware-accelerated security systems
- Formal methods for secure hardware design

- Security of virtualized hardware components
- Security of embedded systems, IoT devices, and smart sensors
- Security of cyber-physical and industrial control systems.

To apply for this hardware-related security position, please go to: *http://facultyjobs.uga.edu/postings/2790*

We are also interested in hiring a candidate with a research background in Data Science and Machine Learning.

To apply for Data Science and Machine Learning position, please go to *http://facultyjobs.uga.edu/postings/2785*

Please see *http://www.cs.uga.edu* for more information about the department, *http://uga.edu/* for information about UGA and *http://www.cs.uga.edu/hiring-4-tenure-track-positions* for hiring.

Please upload a cover letter, curriculum vitae, and short statements of research interests and teaching philosophy.

Please provide contact information (email) for three references. Review of candidates will begin on January 15, 2018 and will continue until the positions are filled

University of Idaho

Computer Science Faculty-Cyber security and Control Systems

The University of Idaho invites applications for a tenure-track faculty position in Computer Science at the Assistant

Professor level with an emphasis in cybersecurity of industrial control systems. Additional expertise in information assurance, computer and network security defense, embedded systems security, reverse engineering, penetration testing, security analytics, digital forensics and/or cyber intelligence is beneficial. This position is located at University Place in Idaho Falls, at the Center for Advanced Energy Studies (CAES) and the Idaho National Laboratory (INL). Startup funding and research support will be extended to help establish a successful career and develop an externally funded research program. The successful candidates will have an earned PhD in CS or a closely related field.

Existing research centers of excellence include the Institute for Bioinformatics and Evolutionary Studies, National Institute for Advanced Transportation Technology, Center for Secure and Dependable Systems, Center for Modeling Complex Interactions and the Northwest Knowledge Network. We are a certified National Center of Academic Excellence (CAE) in Information Assurance and Cybersecurity Education.

Visit: Computer Science Faculty, Idaho Falls: *https://uidaho.peopleadmin.com/postings/19614.*

We highly encourage candidates from underrepresented US minority groups and/or females to apply for this position. UI is an affirmative action/equal opportunity employer.

University of Illinois at Chicago

Clinical Track Teaching Faculty

The Computer Science Department at the University of Illinois at Chicago is seeking multiple full-time teaching faculty members to start Fall 2018. The clinical teaching track is a long-term career track that starts with the Clinical Assistant Professor position, and offers opportunities for advancement to Clinical Associate Professor and Clinical Full Professor. Applicants should have a PhD in Computer Science, and candidates interested in Computer Science Education research are especially encouraged to apply. Candidates would be working alongside 7 full-time teaching faculty with over 100 years of combined teaching experience and 11 awards for excellence. The department seeks candidates dedicated to teaching; candidates must have evidence of effective teaching, or present a convincing case of future dedication and success in the art of teaching. Content areas of interest include introductory programming/data structures, theory/algorithms, discrete math, computer organization/systems, databases, software design, and web development. The standard teaching load is 3 undergraduate courses per semester.

The University of Illinois at Chicago (UIC) is one of the top-10 most diverse universities in the US (US News and World Report). UIC's hometown of Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, Chicago offers an outstanding array of cultural and culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks.

Minimum qualifications include a PhD in Computer Science or a closely related field, and either (a) demonstrated evidence of effective teaching, or (b) convincing argument of future dedication and success in the art of teaching. Applications are submitted online at *https://jobs.uic.edu/.* In the online application, include a curriculum vitae, names and addresses of at least three references, a statement providing evidence of effective teaching, and a statement describing your past experience in activities that promote diversity and inclusion (or plans to make future contributions). For additional information contact Professor Mitch Theys, Committee Chair, *mtheys@uic.edu.*

For fullest consideration, please apply by October 16, 2017. We will continue to accept and review applications until the positions are filled. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Chicago

College of Liberal Arts and Sciences Department of Mathematics, Statistics, and Computer Science

The Department of Mathematics, Statistics, and Computer Science seeks applicants for an Assistant Professor to join the mathematical computer science group, which includes researchers in theoretical computer science, optimization, computational science, and discrete mathematics. See *http://homepages. math.uic.edu/~mcs/* for more information.

Applicants must have a Ph.D. or equivalent degree in mathematics, computer science or a related field, an outstanding research record, and evidence of strong teaching ability. The salary is negotiable. The position is effective August 16, 2018. Final authorization of the position is subject to the availability of funding.

The Department of Mathematics, Statistics, and Computer Science has active research programs in a broad spectrum of centrally important areas of pure mathematics, computational and applied mathematics, mathematical computer science, probability and statistics, and mathematics education. See *http://www.math.uic.edu* for more information.

Applicants should provide a vita, research and teaching statements, and at least three (3) letters of recommendation. Applications should be submitted through mathjobs.org. No applications will be accepted by surface mail or e-mail. To ensure full consideration,

application materials must be received by December 10, 2017, but applications will be accepted through January 22, 2018. The University of Illinois at Chicago is an affirmative action, equal opportunity employer, dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment. We strongly encourage applications from women, minorities, individuals with disabilities and covered veterans. The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Chicago

Open-rank tenure-track faculty positions

Located in the heart of Chicago, the Computer Science Department at the University of Illinois at Chicago (UIC) invites applications for many full-time tenure-track positions at all ranks. All candidates must have a doctorate in Computer Science or a closely related field by the appointment's starting date. Candidates will be expected to demonstrate excellence in research and teach effectively at the undergraduate and graduate levels.

We seek candidates in all areas of computing, at all levels, with special but not exclusive interest in fields related to speech and/or natural language processing, computer vision, programming languages and compilers, machine learning, human-computer interaction, data science, and

computer systems. Over the next few years, we expect to hire multiple faculty in all of those areas and many others. Applicants working at the intersection of computer science and related disciplines are also encouraged to apply.

Applications must be submitted at *https://jobs.uic.edu/*, and must include a curriculum vitae, teaching and research statements, and names and addresses of at least three references in the online application. Links to a professional website and Google Scholar, ResearchGate, or similar profiles are recommended, but not required. Applicants may contact the Faculty Search Chair at *search-chair@cs.uic.edu* for additional information. For fullest consideration, apply by November 15, 2017. Applications will be accepted until positions are filled.

The rapidly growing department of Computer Science at UIC has 33 tenure-system faculty – 13 of whom are NSF CAREER award recipients – with strong and broad research agendas. The department is committed to building a diverse faculty preeminent in its missions of research, teaching, and service to the community. Candidates who have experience engaging with a diverse range of faculty, staff, and students, and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

UIC is a major public research university (R1, according to the Carnegie Classification of Institutions of Higher

Associate Chair

The Computer Science (CS) Department at the University of Idaho (UI) seeks qualified candidates for the position of Associate Chair at our Coeur d'Alene (CdA) campus. The candidate must have sufficient credentials to qualify for the rank of Associate Professor or higher. The Associate Chair will be responsible for coordination with leadership and advocating for faculty, staff, and students in CdA. The Associate Chair will lead planning for the program and deploy the policies and practices of the CS department. In addition, he or she will coordinate faculty teaching schedules with the CS Chair and assure times and locations meet local needs and compliment the entire statewide outreach, while ensuring quality of student educational and research experience (e.g., reviewing theses and dissertations, mediating and resolving conflicts, awarding scholarships and assistantships and facilitating career opportunities). Facilitate collaborative efforts related to initiatives such as the Co-op program and establish working groups to ensure successful initiation and growth.

To apply, complete the online application on the University of Idaho web site **http://apptrkr.com/1118143** and include the following: (1) curriculum vitae, (2) statement of teaching philosophy, (3) names, e-mail, and phone numbers of three references and your relationship to each and (4) a cover letter or letter of interest.

Applicants submitting their application packets by January 10, 2018 will receive first consideration, but this position will remain open until filled.

The UI is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, marital status, national or ethnic origin, race, religion, sexual orientation or veteran status.

An Equal Opportunity/Affirmative Action Employer

www.uidaho.edu

IGEM Regular Faculty

The Computer Science (CS) Department at the University of Idaho (UI) seeks a faculty member at the rank of Assistant or Associate Professor with emphasis in cybersecurity for industrial control systems including embedded systems security, computer and network security, or digital forensics, reverse engineering hardware/software, malware analysis, specialized experience with power and energy systems, operations technology (OT). Startup funding and research support will be extended to help the new appointees establish a successful career and develop an externally funded research program. The successful candidates will have an earned PhD in CS or a closely related field. Candidates must be currently authorized to work in the US.

Existing research centers of excellence include the Institute for Bioinformatics and Evolutionary Studies, National Institute for Advanced Transportation Technology, Center for Secure and Dependable Systems, Center for Modeling Complex Interactions and the Northwest Knowledge Network. A significant number of our faculty have joint appointments with Idaho National Laboratory (INL). We are a certified National Center of Academic Excellence (CAE) in Information Assurance and Cybersecurity Education.

This position is open until filled. Priority will be given to applicants who submit a complete application packet by December 1, 2017.

The application portal can be found at: **http://apptrkr.com/1110113**

The UI is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, marital status, national or ethnic origin, race, religion, sexual orientation or veteran status.

An Equal Opportunity/Affirmative Action Employer

Education) with over 1,900 faculty and over 30,000 students. UIC is committed to increasing access to education, employment, programs and services for all. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans, and individuals with disabilities are encouraged to apply. UIC is responsive to the concerns of dual-career couples.

Chicago epitomizes the modern, livable, vibrant, and diverse city. World-class amenities like the lakefront, arts and culture venues, festivals, and two international airports make Chicago a singularly enjoyable place to live. Yet the cost of living, whether in an 88th floor condominium downtown or on a tree-lined street in one of the nation's finest school districts, is remarkably affordable.

University of Illinois at Urbana-Champaign

College of Engineering: Professor (Open Rank) – Computer Science

The Department of Computer Science at the University of Illinois at Urbana-Champaign invites applications for several faculty positions at all levels and in all areas of Computer Science. Applicants from both traditional as well as non-traditional and interdisciplinary areas of computer science are encouraged to apply. This is a 100% tenure-track appointment on an academic year (nine-month) service basis paid over twelve months.

Applicants are required to have (or expected to receive) a Ph.D. or equivalent degree. Additional qualifications include the ability to teach effectively at both the graduate and undergraduate levels and the potential to initiate and carry out independent research. Appointments with tenure and higher ranks are available for persons with commensurate research and teaching experience.

A full description of this position announcement can be found at *http://cs.illinois.edu*.

In order to ensure full consideration for Fall 2018, applications must be received by Friday January 5, 2018. Applications can be submitted by going to *http://jobs.illinois.edu* and uploading a cover letter, CV, research statement, and teaching statement, along with names of at least three references who will be contacted to provide letters. For inquiry, please email *HR@cs.illinois.edu*.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

Illinois is an EEO Employer/Vet/Disabled (*www.inclusiveillinois.illinois.edu*) and committed to a family-friendly environment (*http://provost.illinois.edu/worklife/index.html*).

University of Illinois Springfield

Two Assistant Professor, Tenure Track Positions

The Computer Science Department at the University of Illinois Springfield (UIS) invites applications for two Assistant Professor, tenure track positions to begin August, 2018. The position involves graduate and undergraduate teaching, supervising student research, and continuing your research. Many of our classes are taught online. Applicants, especially early career, are invited from all areas of computer science, but the ability to teach core computer science is of special interest for the Department. The UIS Computer Science Department offers innovative programs in software engineering, information systems security, and data analytics. In fall 2017, there were over 1,100 majors in online and on campus bachelor's and master's computer science degree programs. Candidates are encouraged to visit the university web page at *http://www.uis.edu* and the department web page at: *http://csc.uis.edu*. A Ph.D. in Computer Science or closely related field is required. Candidates who have completed all course work and have successfully defended the dissertation will be considered if such documentation is provided.

APPLICATION: Applications must be submitted online at *https://jobs.uis.edu/job-board*. Applicants should navigate to the Faculty category and the Computer Science position. To apply, click the "Apply for Position" button, create or update your profile, complete the

online application, and upload a cover letter, curriculum vita, statements of teaching philosophy and research interests, and contact information for three references. Letters of reference and transcripts may be requested at a later date. Only those applicants who complete the online application and upload all required materials by the January 15, 2018 application deadline will be considered; incomplete applications will not be evaluated. To maintain the integrity of the search process, applicants are asked to upload their own materials. Review of applications will begin January 16, 2018 and continue until the position is filled or the search is terminated.

The University of Illinois conducts background checks on all job candidates upon acceptance of a contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act. UIS is an affirmative action/equal opportunity employer with a strong institutional commitment to recruitment and retention of a diverse and inclusive campus community. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

University of Illinois

College of Engineering: Professor (Open Rank) – Computer Science

The Department of Computer Science at the University of Illinois at Urbana-Champaign invites applications for several faculty positions at all levels and in all areas of Computer Science. Applicants from both traditional as well as non-traditional and

interdisciplinary areas of computer science are encouraged to apply. This is a 100% tenure-track appointment on an academic year (nine-month) service basis paid over twelve months.

Applicants are required to have (or expected to receive) a Ph.D. or equivalent degree. Additional qualifications include the ability to teach effectively at both the graduate and undergraduate levels and the potential to initiate and carry out independent research. Appointments with tenure and higher ranks are available for persons with commensurate research and teaching experience.

A full description of this position announcement can be found at *http://cs.illinois.edu.*

In order to ensure full consideration for Fall 2018, applications must be received by Friday January 5, 2018. Applications can be submitted by going to *http://jobs. illinois.edu* and uploading a cover letter, CV, research statement, and teaching statement, along with names of at least three references who will be contacted to provide letters. For inquiry, please email *HR@cs.illinois.edu.*

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

Illinois is an EEO Employer/Vet/Disabled (*www.inclusiveillinois.illinois.edu*) and committed to a family-friendly environment.

University of Illinois

College of Engineering: Teaching Faculty (Open Rank) – Computer Science

The Department of Computer Science (CS) at the University of Illinois at Urbana-Champaign invites applications for multiple teaching faculty positions at all levels and in all areas of computer science. We seek highly qualified applicants with a strong commitment to excellence in teaching and the ability to teach at all levels. This is a 100% non-tenure-track appointment on an academic year (nine-month) service basis paid over twelve months. Applicants for Instructor positions must have at least a B.S. (M.S. preferred) in CS or a closely related field; applicants for Lecturer or for Teaching Professor positions (all ranks) must have a Ph.D. or equivalent degree in CS or a closely related field. Competitive applicants will show the promise of excellence in classroom teaching and will demonstrate strong CS and teaching knowledge. Successful applicants will join the department's thriving community of creative, passionate, and innovative teaching faculty who contribute to high-quality instruction, curriculum development, and student mentoring. Many faculty also engage in outreach and service activities. Teaching Professors are expected to have a deep interest in improving pedagogy beyond the CS department, and may take on leadership roles on campus and contribute to best practices and/or education research in the discipline.

A full description of this position announcement can be found at

http://cs.illinois.edu. In order to ensure full consideration for Fall 2018, applications must be received by Friday January 5, 2018. Applications can be submitted by going to *http://jobs.illinois.edu* and uploading a cover letter, CV, and teaching statement, along with names of at least three references who will be contacted to provide letters.

For inquiry, please email *HR@cs.illinois.edu*. The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

The U of I is an EEO Employer/Vet/Disabled (*www.inclusiveillinois.illinois.edu*).

UL Lafayette

Faculty Positions at All Levels in Computing and Informatics

The School of Computing and Informatics (*cmix.louisiana.edu/*) at the University of Louisiana at Lafayette currently has 32 faculty members with specialties in all major branches of computer science, computer engineering, and information systems. The School offers B.S. degrees in computer science and informatics in the Computer Science and Informatics Programs respectively; M.S. degrees in computer science, computer engineering and informatics; and Ph.D. degrees in computer science and computer engineering, in the Center of Advanced Computer Studies (CACS). CACS is the research arm of the School, and is one of the best-ranked research programs in the US. The NSF I/UCRC Center for Visual and Decision

Informatics (CVDI) led by CACS faculty in the School is the only such NSF Center in the nation that focuses on data science, big data analytics, and visual analytics. The CVDI is poised to become the largest center of its kind in the U.S. after receiving approval for a second round of National Science Foundation funding in March 2017. We are recruiting up-to-4 tenure-track and tenured lines this year.

Located midway between New Orleans and Houston, Lafayette is the heart of Louisiana's Acadian-Creole region. The city of over 122,000 is part of the Lafayette-Acadiana area with a total population of 550,000, and is one of Louisiana's fastest-growing metropolitans. Lafayette serves as the base of Louisiana's offshore oil industry, as well as the financial, retail, and medical center for South-Central Louisiana.

For consideration, please apply at *https://academicjobsonline.org/ajo/UL/CMIX* with requested information items for each respective position. The review process will begin on November 16, 2017 and continue until positions are filled.

University of Louisiana at Lafayette

Postdoc Openings

Position Description

The Director of Data and Design Nest is seeking two Postdoctoral Researchers. One will work in the application of IoT and AI in Agriculture/Health/Smart Cities, and the other in the development of augmented reality solutions for healthcare. Candidates are invited to define their own research agendas and demonstrate the ability to drive forward effective research programs. Fellows will receive guidance and support from world class researchers and will have the opportunity to negotiate a set of goals to achieve by the end of their appointments.

Institutional Capabilities

Postdocs will be housed in the Center for Advanced Computer Studies, one of the first schools in the country to offer advanced Computer Science degrees. The center has strong connections with the Informatics Research Institute that houses four centers dedicated to unleashing the potential of big data for the benefit of society, in areas such as health, crisis response, community resilience, and smart and connected communities. With connections and guidance from diverse researchers at IRI, the fellows will conduct fast-paced research. Learn more about IRI here (*https://iri.louisiana.edu/*).

Application Details

Successful candidates will have PhDs and well-established research track records, as demonstrated by journal publications and conference papers, as well as participation on program committees, editorial boards, and advisory panels. The selected fellows will receive competitive salaries. The initial appointment will be for a period of one-year and may be extended for another 6-months depending on the availability of funds. To be considered, email a cover letter specifying position of interest, along with a research proposal and CV to beenish.*chaudhry@louisiana.edu*. The positions will stay open until suitable candidates have been identified.

The University of Maine

Tenure Track Faculty Position in Computer Science

The School of Computing and Information Science seeks applicants for a tenure-track Assistant Professor position with research foci in the broad areas of *Secure Computing* and/or *Software Engineering.*

Knowledge, skills, and qualifications. While strong candidates in all related areas will be considered, expertise in *cybersecurity* is desired, either in an area of cybersecurity itself (e.g., *trustworthy computing, development and architecture of secure software systems, formal methods, and verification of software systems*) or as it pertains to another area (e.g., *networks, Internet of Things, software engineering, operating systems, trust/verification of AI, and deep learning systems*). Regardless of the candidate's research area, teaching courses in cybersecurity is required. We are particularly interested in candidates that complement the School's existing research strengths in *Artificial Intelligence* (AI), *Data Management, Distributed Systems, Human Computer Interaction* (HCI), and *Spatial Informatics* with potential for collaborations within the School. The ability to contribute to campus-wide Signature and Emerging areas of excellence in *Data Science* and *STEM Education Research* (with focus on CS) also would be viewed favorably. Candidates should have a strong research profile such as demonstrated by relevant and recent contributions in top ranked conferences and journals,

presentations at significant conferences, awards, and similar evidence. Successful teaching experience is also desired. A PhD in computer science or a closely related discipline is required by date of hire, expected to be September 1, 2018.

Essential duties and responsibilities. The successful candidate will be expected to establish a dynamic research program in his or her fields of expertise, to become an engaging teacher, adviser, and mentor at both the undergraduate and graduate levels, and to make a strong commitment to curricula development. The typical teaching load is three courses per year, including both undergraduate and graduate courses in the School's academic programs. Service to the School, College, and University is expected.

The School (*umaine.edu/scis*) is an interdisciplinary unit encompassing Computer Science, Spatial Informatics and New Media offering degrees in Computer Science (BS, BA, MS, PhD), Spatial Information Science and Engineering (MS, PhD), Information Systems (MS), and New Media (BA).

The University of Maine is the flagship campus of the University of Maine System and is the principal graduate institution in the state. It is the state's land, sea, and space grant university, enrolling over 11,000 students. Numerous cultural activities, excellent public schools in neighborhoods where children can walk to school, high quality medical care, little traffic, and a reasonable cost of living make the greater Bangor area a wonderful place to live. The

University is located just 60 miles from the scenic Bar Harbor area and Acadia National Park and two hours from Portland.

Increasing diversity of the computing profession is one of our strategic priorities, and women and traditionally underrepresented people in computing fields are particularly encouraged to apply.

To apply, visit *bit.ly/UMaineCSPosition* (or *umaine.hiretouch.com/job-details?jobID=44791*). A complete application includes a letter of application, CV, teaching statement, and research statement. Applicants should also arrange for three letters of recommendation to be sent by separate cover to Dr. Roy Turner, Chair, CS Faculty Search Committee, University of Maine, 5711 Boardman Hall, Orono, ME 04469-5711 or rturner@maine.edu. Incomplete application materials cannot be considered. Review of applications will begin 1/15/2018 and continue until the position is filled.

The University of Maine, an EO/AA employer, seeks to employ outstanding people who contribute to the rich cultural diversity expected in a university setting. All qualified individuals are encouraged to apply.

University of Maine

Tenure Track Faculty Position in Computer Science

The School of Computing and Information Science seeks applicants for a tenure-track Assistant Professor position with research foci in the broad areas of *Secure Computing* and/or *Software Engineering.*

For more information and to apply, visit *bit.ly/UMaineCSPosition.*

The University of Maine, an EO/AA employer, seeks to employ outstanding people who contribute to the rich cultural diversity expected in a university setting. All qualified individuals are encouraged to apply.

University of Maryland

Assistant or Associate Professor

The Philip Merrill College of Journalism and the College of Information Studies (Maryland's iSchool) at the University of Maryland, College Park, invite applications for a tenure-track/tenured position in computational journalism at the assistant or associate professor level. This will be a joint position with the College of Journalism and the iSchool, with the tenure home in the College of Journalism. The successful candidate will teach in both colleges at the undergraduate and graduate level, and will have a research agenda of interest to both schools.

The successful candidate will have a passion for journalism and the watchdog role it should play in a democratic society. Research and teaching topics of interest to both schools include data analytics as applied to journalism and/or social media; fairness, accountability and transparency in algorithms; news automation; audience analytics and engagement, including those illuminating trends in politics, society or sports; data visualization; social networks; and/or digital innovation.

The successful candidate will be expected to have an active research agenda and to seek external funding for research. In addition to teaching, the successful candidate will be expected to advise and mentor graduate students on doctoral dissertations, master's projects and other scholarly initiatives. All tenured and tenure-track faculty at Maryland are expected to be active in service both inside and outside the university.

The University of Maryland, College Park, located inside the Washington, D.C., Beltway nine miles from the White House, is Maryland's flagship research university and a land grant institution. It is committed to rigorous research, quality teaching and informed public service. The College of Journalism and the iSchool are deeply committed to equity and excellence, embrace a broad range of theoretical and methodological orientations, and value collaborative research, including with faculty across program divisions and specializations. Applications from candidates in a wide range of disciplines will be welcome. The successful candidate will be expected to have a Ph.D. at the time of appointment.

The University of Maryland, College Park, actively subscribes to a policy of equal employment opportunity, and will not discriminate against any employee or applicant because of race, age, sex, color, sexual orientation, physical or mental disability, religion, ancestry or national origin, marital status, genetic information, political affiliation, and gender identity or expression. Minorities and women are encouraged to apply.

To apply, visit *http://ejobs.umd.edu/postings/55483*

UMBC

Health IT w/ Tenure Faculty Position

The Department of Information Systems (IS) at UMBC invites applications for a tenure-track faculty position at the Assistant Professor level starting August 2018. We are searching for candidates with research interests and experience in Health IT, a research area with high growth and impact in healthcare and related fields. The ideal candidate will have expertise in conducting research that impacts healthcare outcomes, quality, and costs, and intersects with active research areas in the IS department: Artificial Intelligence/Knowledge Management, Data Science, Human Centered Computing, Software Engineering, and Health Information Technology. Strong candidates with research emphases in other areas may also be considered. Candidates must have earned a PhD in Information Systems or a related field no later than August 2018.

Preference will be given to those who can collaborate with current faculty within and across departments at UMBC, fostering interdisciplinary research. Candidates are expected to establish a collaborative, externally funded, and nationally recognized research program as well as contribute to graduate and undergraduate teaching, advising, and mentoring. We

especially welcome applications from candidates who are willing to contribute to the diversity mission of the university. The IS Department is committed to increasing the diversity of our community. The Department offers undergraduate degrees in Information Systems and Business Technology Administration. Graduate degree programs, MS and PhD, are offered in both Information Systems and Human-Centered Computing, including an innovative online MS program in IS ranked among the top 20 in the nation by US News & World Report. Consistent with UMBC's vision and mission, the Department has excellent teaching facilities, state-of-the-art laboratories, and outstanding technical support. Further details on our research, academic programs, and faculty can be found at *http://www.is.umbc.edu.*

UMBC is a dynamic public research university integrating teaching, research, and service. As an Honors University, the campus offers academically talented students a strong undergraduate liberal arts foundation that prepares them for graduate and professional study, entry into the workforce, and community service and leadership. UMBC emphasizes science, engineering, information technology, human services, and public policy at the graduate level. UMBC contributes to the economic development of the State and the region through health equity, entrepreneurial initiatives, workforce training, K-16 partnerships, and technology commercialization in collaboration with public agencies and the corporate community. Diversity is a core value of

UMBC and we believe that the educational environment is enhanced when diverse groups of people with diverse ideas come together to learn. Therefore, members of under-represented groups including women, minorities, veterans, and individuals with disabilities are especially encouraged to apply.

UMBC continues to be recognized in U.S. News and World Report's national university rankings, placing seventh in Most Innovative National Universities and 13th in Best Undergraduate Teaching. Princeton Review features UMBC as one of the nation's top universities, and one of the Colleges that Pay You Back. The Chronicle of Higher Education has listed UMBC in the "honor roll" of "Great Colleges to Work For" for eight consecutive years; it is the only Maryland four-year institution to be so recognized. Our strategic location in the Baltimore-Washington corridor puts us close to many important federal laboratories, agencies, and high-tech companies. UMBC's campus is located on 500 acres just off I-95 between Baltimore and Washington DC, less than 10 minutes from the BWI airport and Amtrak station. The campus includes a center for entrepreneurship, and the *bwtech@UMBC* research and technology park, which has special programs for startups focused on cybersecurity, clean energy, life sciences, and training. We are surrounded by one of the greatest concentrations of commercial, cultural, and scientific activity in the nation. Located at the head of the Chesapeake Bay, Baltimore has all the advantages of modern, urban living, including professional sports,

major art galleries, theaters, and a symphony orchestra. The city's famous Inner Harbor area is an exciting center for entertainment and commerce. The nation's capital, Washington, DC, is a great tourist attraction with its historical monuments and museums. Just ten minutes from downtown Baltimore and 30 minutes from the D.C. Beltway, UMBC offers easy access to the region's resources by car or public transportation.

Electronic submission of application is required at *http://apply.interfolio.com/45260.* All applications must be submitted as PDF files, including a cover letter, CV, one-page statement of teaching interests, one-page statement of research interests, and names and contact information of at least three references. For inquiries, please contact Dr. Aryya Gangopadhyay at (410) 455-2620 or *gangopad@umbc.edu.* Review of applications will begin in November 2017 and will continue until the position is filled, subject to the availability of funds.

UMBC is an Affirmative Action/Equal Opportunity Employer and welcomes applications from minorities, women, veterans, and individuals with disabilities.

University of Maryland, Baltimore County

Assistant Professor

Computer Science and Electrical Engineering

UMBC's Department of Computer Science and Electrical Engineering invites applications for a tenure-track Assistant

Professor position to begin in Fall 2018. Exceptionally strong candidates for higher ranks may be considered. Applicants must have or be completing a Ph.D. in a relevant discipline, have demonstrated the ability to pursue a research program, and have a strong commitment to undergraduate and graduate teaching. We welcome candidates in all areas of specialization. Areas of particular interest include, but are not limited to: information assurance and cybersecurity; mobile, wearable, and IoT systems; big data with an emphasis on machine learning, data science and high-performance computing; knowledge and database systems; and graphics and visualization.

The CSEE department is research-oriented and multi-disciplinary with programs in Computer Science, Computer Engineering, Electrical Engineering, Cybersecurity and Data Science. Our faculty (35 tenure-track, 11 teaching and 17 research) enjoy collaboration, working across our specializations as well as with colleagues from other STEM, humanities and arts departments and external partners. We have 1650 undergraduate and 500 MS/PhD students and have awarded 312 PhDs since 1986. Our research is supported by a diverse portfolio from government and industrial sponsors with over $6M in yearly expenditures.

A dynamic public research university, UMBC integrates teaching, research and service. The 2018 US News and World Report Best Colleges report placed UMBC 7th in the Most Innovative National Universities category and 13th in Best Undergraduate Teaching, National Universities. Our strategic location in the Baltimore-Washington corridor is close to many federal laboratories and agencies and high-tech companies, facilitating interactions, collaboration, and opportunities for sabbaticals and visiting appointments.

UMBC's suburban campus is located on 500 acres between Baltimore and Washington DC, and less than 10 minutes from the BWI airport and Amtrak station. The campus includes the bwtech@UMBC research and technology park, which has special programs for startups focused on cybersecurity, clean energy and life sciences. We are surrounded by one of the nation's greatest concentrations of commercial, cultural and scientific activity. Located at the head of the Chesapeake Bay, the Baltimore/Washington area has all the advantages of urban living, including professional sports, major art galleries, theaters and symphony orchestras. Just ten minutes from downtown Baltimore and 30 from the D.C. Beltway, UMBC offers easy access to the region's resources by car or public transportation.

Apply by submitting a cover letter, statement of teaching and research experience and interests, CV, and three letters of recommendation at *http://apply.interfolio.com/45784*. Applications received by December 15, 2017 are assured full consideration. Send questions to *jobsTT@csee.umbc.edu* and see *http://csee.umbc.edu/jobs* for more information.

UMBC is an affirmative action/equal opportunity employer.

University of Maryland College Park

Assistant Professor

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill five openings for tenure-track faculty, with start dates on or after July 1, 2018. The openings are intended to be at the level of assistant professor, although outstanding candidates at all levels are encouraged to apply. Successful applicants will also be considered for joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

Exceptional candidates in all areas of computing are being sought, with special but not exclusive interest in fields related to augmented and virtual reality; machine learning and data science; and cybersecurity. Applicants working at the boundary of computer science and related disciplines are also encouraged to apply, and may be considered for joint positions with other departments or institutes on campus. A candidate should indicate in their cover letter if they might be interested in such a joint appointment.

The department is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of

inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply on-line at *https://ejobs.umd.edu* in order to receive consideration. Search under Faculty for position #105048. The review of applications will begin on December 16, 2017, and applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by that date for full consideration. Candidates will be prompted when submitting application to submit all information for their references. Questions can be directed to the faculty recruitment committee at: *faculty-search@cs.umd.edu.*

The Department of Computer Science at the University of Maryland is consistently ranked among the top-15 nationally. It is one of the largest departments in the country, with approximately 50 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 200 doctoral students drawn from top undergraduate programs nationally and internationally. In 2018 the department is slated to occupy its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Innovation, which is currently under construction. Additional information about the Department of Computer Science and UMIACS is available at *http://www.cs.umd.edu* and at *http://www.umiacs.umd.edu.* To learn more about the Iribe Center, please visit: *http://csctr.cs.umd.edu.*

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250 acre College Park campus is minutes away from Washington, D.C., the nexus of the nation's legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

UMASS Amherst

Assistant/Associate Research Professor

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites

applications for research faculty positions at the Assistant/Associate Research Professor level. Applicants must have a Ph.D. in Computer Science or a related area, and should show evidence of exceptional research promise. Review of applications will begin on November 21, 2017 and we will continue to accept applications through May 31, 2018. All applicants should submit a cover letter, a CV, research statement, statement of teaching interests, the names and contact info for references, and links to research papers using the submission link specific to the position.

http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=90899

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

Assistant Professor in Computer Engineering

College of Engineering

The Department of Electrical and Computer Engineering (ECE) at the University of Massachusetts Amherst (UMass Amherst) invites applications for multiple tenure-track faculty positions at the Assistant level in the area of Computer Engineering to start in September 2018.

All hardware, software and systems research in computer engineering will be considered. The department has particular interest in growing expertise in Hardware-Accelerated Systems, Cyber–Physical Systems, and Software Defined Infrastructure.

The candidates will be expected to develop a strong externally-funded research program, must be committed to teaching undergraduate and graduate courses in electrical and computer engineering, and should have an understanding of diversity issues and their educational importance. Interest in contributing to multidisciplinary education and research programs will be favorably viewed. Candidates must have an earned doctorate in Electrical Engineering, Computer Engineering, or related field at the time of appointment.

To apply, please submit a cover letter, CV with a list of publications, a research statement, a teaching statement, and a list of at least four references with complete contact information to:
http://umass.interviewexchange.com/ candapply.jsp?JOBID=89884

The University is committed to active recruitment of a diverse faculty and student body. The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

Senior Research Fellow – Advanced Networked Systems

The Advanced Networked Systems Research lab in the College of Information and Computer Sciences at UMass Amherst is looking for an outstanding, highly motivated Senior Research Fellow. For a complete position announcement including minimum qualifications and application instructions, please see:
http://umass.interviewexchange.com/ jobofferdetails.jsp?JOBID=91054

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

Tenure Track & Non-Tenure Track Positions

The College of Information and Computer Sciences at University of Massachusetts Amherst invites applications for multiple tenure-track and non-tenure track faculty positions. We will continue to accept and review applications for all positions through Winter 2018. For a complete position announcement including minimum qualifications and application instructions, please see the appropriate link below.

Assistant Professor-Security & Privacy
http://umass.interviewexchange.com/ jobofferdetails.jsp?JOBID=89660

Associate Professor-Information Access/ HCI/Social Computing
http://umass.interviewexchange.com/ jobofferdetails.jsp?JOBID=88289

Lecturer-Information and Computer Sciences
http://umass.interviewexchange.com/ jobofferdetails.jsp?JOBID=90455

Assistant/Associate Professor-Data Science
http://umass.interviewexchange.com/ jobofferdetails.jsp?JOBID=88453

Assistant/Associate Professor-Data Science Theory
http://umass.interviewexchange.com/ jobofferdetails.jsp?JOBID=89975

Assistant/Associate Research Professor
http://umass.interviewexchange.com/ jobofferdetails.jsp?JOBID=90899

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

Senior Research Fellow – Advanced Networked Systems

The Advanced Networked Systems Research lab in the College of Information and Computer Sciences at UMass Amherst is looking for an

outstanding, highly motivated Senior Research Fellow. For a complete position announcement including minimum qualifications and application instructions, please see:

http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=91054

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Boston

Lecturer in Information Technology

Department of Computer Science

The Department of Computer Science at UMass Boston seeks applications for non-tenure-track lecturers whose primary responsibility will be to teach in our undergraduate Information Technology major beginning in Spring 2018. Initial appointment would be for one semester, but renewals are possible (and expected) for the right person.

Lecturers provide instruction at the undergraduate level in the Department of Computer Science (http://www.cs.umb.edu) in a range of information technology topics. We offer a concentration in system administration, and knowledge of administering Linux and Windows systems is desirable.

Prior experience in teaching Information Technology or Computer Science at

the University level; Significant prior experience in the Software or Information Technology industry. Master's or higher degree in Computer Science or Information Technology required.

Please submit your application consisting of a CV with a cover letter, a statement about your teaching and work experience and the names and email addresses of three references to http://umb.interviewexchange.com/jobofferdetails.jsp?JOBID=92377

UMass Boston provides equal employment opportunities to all employees and applicants for employment without regard to race, color, religion, gender, gender identity or expression, age, sexual orientation, national origin, ancestry, disability, military status, or genetic information. This policy applies to all terms and conditions of employment.

University of Massachusetts Boston

Assistant/Associate Professor

Department of Computer Science

The Computer Science Department at the University of Massachusetts Boston invites applications for one full-time position in Programming Languages/Compilers at the rank of Assistant/Associate Professor, to begin September 1, 2018. We offer an ABET-accredited BS as well as a BA in Computer Science, a BS in Information Technology, an MS in Computer Science, and a PhD in Computer Science. Current faculty interests include bioinformatics, computer and

human vision, data mining, databases, graphics, high performance computing, networks, security, software engineering, and theoretical computer science. We will consider strong candidates in any area of programming languages, but especially seek candidates working in programming language implementation, with an emphasis on parallel computation.

A PhD in computer science or a related area is required. A successful candidate at the Assistant Professor level is expected to establish a highly-recognized, externally-funded independent research program at UMass Boston. Candidates at the Associate Professor level should have a well-established research program with a significant funding record. We offer a competitive salary and start-up package.

To Apply:
A complete application consists of a cover letter, curriculum vitae, statements about research and teaching, and the names and email addresses of three references. Please submit your application at: http://umb.interviewexchange.com/jobofferdetails.jsp?JOBID=91175

Our campus overlooks Boston harbor; our faculty and students enjoy professional life in a center of academia and the software industry. For more information, visit us at http://www.cs.umb.edu

Review of applications has begun and will continue until the position is filled.

The University of Massachusetts Boston provides equal employment opportunities to all employees and applicants for

employment without regard race, color, religion, gender, gender identity or expression, age, sexual orientation, national origin, ancestry, disability, military status, or genetic information. In addition to federal law requirements, the University of Massachusetts Boston complies with applicable state and local laws governing nondiscrimination in employment in every location in which the university operates. This policy applies to all terms and conditions of employment.

University of Memphis

Assistant Professor Computer Science

The Department of Computer Science at the University of Memphis is seeking candidates for multiple Assistant Professor positions beginning Fall 2018. Exceptionally qualified candidates in all areas of computer science are invited while candidates with core expertise in systems, architecture, data science, security & privacy, and software engineering and an interest in emerging and interdisciplinary applications such as smart health, smart cities, smart transportation, smart energy, and CS education are particularly encouraged to apply. Successful candidates are expected to develop externally sponsored research programs, teach both undergraduate and graduate courses and provide academic advising to students at all levels.

Applicants should hold a PhD in Computer Science, or related discipline, and be committed to excellence in both research and teaching. Salary is highly competitive and dependent upon qualifications.

The Department of Computer Science (*www.cs.memphis.edu*) offers B.S., M.S., and Ph.D. programs as well as graduate certificates in Data Science and Information Assurance, and an M.S. program in Bioinformatics (through the College of Arts and Sciences). The Department has been ranked 55th among CS departments with federally funded research. The Department regularly engages in large-scale multi-university collaborations across the nation. For example, CS faculty lead the NIH-funded Big Data "Center of Excellence for Mobile Sensor Data-to-Knowledge (MD2K)" and the "Center for Information Assurance (CFIA)". In addition, CS faculty work closely with multidisciplinary centers at the university such as the "Institute for Intelligent Systems (IIS)".

Known as America's distribution hub, Memphis ranked as America's 6th best city for jobs by Glassdoor in 2017. Memphis metropolitan area has a population of 1.3 million. It boasts a vibrant culture and has a pleasant climate with an average temperature of 63 degrees.

Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2017. However, applications will be accepted until the search is completed.

To apply, please visit *https://workforum.memphis.edu/.* Include a cover letter, curriculum vitae, statement of teaching philosophy, research statement, and three letters of recommendation. Direct all inquiries to Corinne OConnor (*cconnor2@memphis.edu*).

A background check will be required for employment. The University of Memphis is an Equal Opportunity/Equal Access/Affirmative Action employer committed to achieving a diverse workforce.

University of Michigan-Dearborn

Assistant Professor

The CIS Department at the University of Michigan-Dearborn invites applications for two tenure-track assistant professor positions in all areas of computer science, with special emphasis on data science/management, cybersecurity, and computer systems. The expected starting date is September 1, 2018. Although candidates at the Assistant Professor rank are preferred, exceptional candidates may be considered for the rank of Associate Professor depending upon experience and qualifications. We offer competitive salaries and start-up packages.

The CIS Department offers several B.S. and M.S. degrees, and a Ph.D. degree. The current research areas in the department include artificial intelligence, computational game theory, computer graphics, data science/management, energy-efficient systems, game design, graphical models, machine learning, multimedia, natural language processing, networking, security, software engineering, and wearable sensors and health informatics. These areas of research are supported by several established labs and many of these areas are currently funded by federal agencies and industries.

Qualifications:

Qualified candidates must have earned a Ph.D. degree in computer science or a closely related discipline by September 1, 2018. Candidates will be expected to do scholarly and sponsored research, as well as teaching at both the undergraduate and graduate levels.

Applications:

Applicants should send a letter of intent, curriculum vitae, statements of teaching and research interests, and a list of three references through Interfolio at:

http://apply.interfolio.com/46305 for the Cybersecurity or Computer Systems position

http://apply.interfolio.com/46405 for the Data Management/Science position

Review of applications will begin immediately and continue until suitable candidates are appointed.

Currently this classification is considered exempt in compliance with the Fair Labor Standards Act (FLSA).

The University of Michigan-Dearborn, as an equal opportunity/affirmative action employer, complies with all applicable federal and state laws regarding nondiscrimination and affirmative action. The University of Michigan is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, national origin, age, marital status, sex, sexual orientation, gender identity, gender expression, disability, religion, height, weight, or veteran status in employment, educational programs and activities, and admissions. Inquiries or

complaints may be addressed Office of Institutional Equity, 4901 Evergreen Road, Suite 1020, Administrative Services Building, Dearborn, Michigan 48128-1491, (313) 593-5190. For other University of Michigan information call 734-764-1817.

Background Screening:

The University of Michigan conducts background checks on all job candidates upon acceptance of a contingent offer and may use a third-party administrator to conduct background checks. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Minnesota Duluth

Tenure-Track Assistant or Associate Professor

The Department of Computer Science at the University of Minnesota Duluth, a comprehensive university of approximately 11,500 students located in Duluth, Minnesota, solicits applications for a tenure-track position at the rank of Assistant or Associate Professor. Applicants from all areas of computer science will be considered.

A dynamic city on a hill situated at the western tip of Lake Superior, Duluth was named Outdoor magazine's Best Outdoors Town in 2014, celebrating its access to the outdoors and to Lake Superior – the largest freshwater lake on earth by area. Duluth is home to hundreds of miles of biking, hiking, and skiing trails, including the Superior Hiking Trail, a 300+ mile trail intersecting Duluth, and the Duluth

Traverse, an 85-mile multi-use biking and hiking trail stretching across town. In addition to the outdoors, the Twin Ports area has vibrant music, arts, crafts and craft brewing scenes, and a variety of award-winning restaurants. Duluth is a truly wonderful place to live, with great schools, health care, and affordable housing. It mixes its historic small-town feel with a dynamic urban economy and many cultural offerings.

Part of the Swenson College of Science and Engineering, the Department of Computer Science currently has 11 faculty members, 1 instructor, 27 full-time graduate students and over 350 undergraduates. It offers an ABET-accredited Bachelor of Science degree in addition to a Bachelor of Arts and a Master of Science in Computer Science. In addition to a student-led ACM chapter, the department has an active Women in Computing group, frequent social events and several community outreach and engagement activities.

The department is seeking a new tenure-track faculty member to join our collegial and friendly faculty. Applicants must have a Ph.D. in computer science or a related discipline from a regionally accredited university by July 1, 2018. Demonstrated commitment to both teaching and research are required. In addition, good written communication skills, good interpersonal skills, and evidence of potential to develop a successful independent research program in a computer science discipline are required. Evidence of teaching experience (such as

having performed as a teaching assistant), publications (such as peer reviewed journals, conference proceedings, trade magazines, white papers, or technical reports), good oral communication skills, good interpersonal skills and evidence of the ability to work effectively with diverse groups are all preferred qualities.

The successful candidate is expected to teach and strongly contribute to the curriculum in the department's undergraduate program while also contributing to courses for the graduate program. Job responsibilities include developing an independent research program in computer science that involves mentoring undergraduate and graduate students, publishing articles in peer-reviewed journals and conference proceedings, engaging in departmental activities, pursuing external funding, advising undergraduate and graduate students from diverse groups, and participating in departmental and college outreach. Responsibilities also include fulfilling typical department, college, university and professional service obligations. This position has an official start date of August 20, 2018.

Applications must be submitted online. To apply for this position, go to *http://www1.umn.edu/ohr/employment/* and search for job opening 321068.

Complete applications must include:

1. Letter of Application

2. Current Curriculum Vitae

3. Contact information for three professional References (Attachment Type: Reference Attachments)

4. Statement of Teaching Philosophy and Statement of Research Goals (submitted as one document, Attachment Type: Teaching/Research Philosophy)

5. Statement on Diversity (Attachment Type: Statement on Diversity)

6. Unofficial Transcripts of highest degree (Attachment Type: Transcripts)

Important instructions for submitting application. First submit the application with cover letter and CV/resume. Then return to the "My Activities" page to attach the additional documents. Completed online applications will be considered beginning January 2, 2018. This position will remain open until filled.

Candidates should also arrange to have three letters of recommendation (hard copy, although email followed by hard copy is acceptable) forwarded directly to

Mrs. Lori Lucia
Department of Computer Science
University of Minnesota Duluth
1114 Kirby Drive, 320 Heller Hall
Duluth, MN 55812 (email: *llucia@d.umn.edu*)

The University of Minnesota recognizes and values the importance of diversity and inclusion in enriching the employment experience of its employees and in supporting the academic mission. The University is committed to attracting and retaining employees with varying identities and backgrounds and provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. To learn more about diversity at the U: *http://diversity.umn.edu.*

University of Nebraska at Kearney

Associate or Full Professor/Department Chair, Cyber Systems, College of Business and Technology

To apply and for position requirements and application information visit *http://unkemployment.unk.edu.* Please direct questions about the position to: (308) 865-8342. Direct questions about the on-line application process to (308) 865-8522 or *employment@unk.edu* AA/EO/ADA *http://www.unk.edu/*

University of Nebraska at Omaha

Faculty Position in Computer Science (ML/AI) College of Information Science and Technology

The Department of Computer Science at the University of Nebraska at Omaha (UNO) invites applications for a tenure-track Assistant/Associate Professor position with an emphasis in intelligent systems. Areas of particular interest include, but are not limited to, machine learning, artificial intelligence, data analytics, and

their translational application in real-world contexts. Exceptional candidates in all areas of computer science are encouraged to apply.

Candidates must have completed an earned doctorate in computer science or related disciplines by the employment start date. The candidate should have a strong potential to conduct high quality research, generate external research and development grants, and be committed to teaching computer science courses at both graduate and undergraduate levels. Applicants at the associate professor level should have demonstrated a strong research track record including extra-mural funding and high impact research publications.

To apply, please visit the UNO careers web site at *http://unomaha.peopleadmin. com/*, create your account and apply for this position. Complete an application, attaching a cover letter, vita, teaching and research statements, and contact information for 3 references online at the above web site. Applications will be accepted until the position is filled.

The university and college have a strong commitment to achieving diversity among faculty and staff. We are particularly interested in receiving applications from members of underrepresented groups and strongly encourage women and persons of color to apply for this position.

If you have any additional questions, please contact:

Dr. Brian Dorn
ML/AI Search Committee Chair
Department of Computer Science
College of Information Science & Technology
University of Nebraska at Omaha
Omaha, NE 68182

email: bdorn@unomaha.edu
phone: (402) 554-4905
FAX: (402) 554-3284

University of Nebraska at Omaha

Faculty Position in Computer Science

College of information Science and Technology

The Department of Computer Science at the University of Nebraska at Omaha (UNO) invites applications for a tenure-track faculty position, beginning August 2018 at the rank of an Assistant Professor. We are seeking candidates in the area of computer systems (architecture, networking, operating systems) and closely related areas including, but not limited to, emerging distributed and cloud computing infrastructures, IoT, embedded and cyber-physical systems. The new hire should have a strong potential to conduct high-quality research, procure funding, and be committed to teach computer systems courses at the undergraduate and graduate levels. Candidates must have received a doctorate in computer science or a closely related field prior to the employment start date. Exceptional candidates at the rank of Associate Professor will also be considered.

We invite candidates to visit the college web site at *http://www.ist.unomaha.edu* for more information. To apply, please visit the UNO careers web site at *https://unomaha. peopleadmin.com/postings/5313*, create your account and apply for this position. Cover letter, curriculum vita, statements of research and teaching, and list of references must be attached to the electronic application. If you have any additional questions, please contact:

Dr. Mahadevan Subramaniam
Chair Search Committee
Department of Computer Science
College of Information Science & Technology
University of Nebraska at Omaha
6001 Dodge Street
Omaha NE 68182-0116

email: *msubramaniam@unomaha.edu*
phone: (402) 554-4984
FAX: (402) 554-3284

The university and college have a strong commitment to achieving diversity among faculty and staff. We are particularly interested in receiving applications from members of underrepresented groups and strongly encourage women and persons of color to apply for this position.

University of New Haven

Tenure-Track Assistant/Associate Professor – Computer Science – Data Science

The University of New Haven invites applications for a tenure track assistant/associate professor position in computer science with expertise in data science. For full description *click here.*

CRA
Computing Research
Association

University of New Haven

*Tenure-Track Assistant Professor –
Electrical Engineering – Data Science*

The University of New Haven invites
applications for a tenure track assistant
professor position in electrical engineering
with expertise in data science. For full
description *click here.*

University of New Mexico

Computer Science Faculty Position

The Department of Computer Science in
the School of Engineering at the University
of New Mexico invites applications for a
full-time tenure-track position at the level
of Assistant Professor. We are an inter-
disciplinary, family-friendly department
located in Albuquerque, New Mexico
with diverse research and instruction in
traditional Computer Science, emerging
CS areas, and topics at the intersection
of Computer Science and other fields.
We are interested in applicants pushing
the boundaries of computer science
and particularly encourage applicants in
all areas of large-scale computing. This
includes but is not limited to research
in big data and data analytics, high
performance, parallel, and distributed
computing, programming languages, and
beyond-Moore computing approaches.
Strong applicants from all areas of
computer science and related disciplines
will be considered.

Candidates must have completed a
doctorate in CS or related areas by August
15, 2018. Applicants should demonstrate

a strong commitment to undergraduate
and graduate education and demonstrate
the ability to establish a nationally visible
research program, as well as a demonstrated
commitment to diversity, equity, inclusion,
and student success, as well as working
with broadly diverse communities.

For best consideration, complete applications
including reference letters must be
received by January 1, 2018. The position will
remain open until filled. Each application
must include a cover letter summarizing
the applicant's experience, curriculum
vitae, research statement, teaching
statement, and four letters of reference.
Please have references send letters to:
unmcsfacultysearch@cs.unm.edu. It is
the applicant's responsibility to ensure that
letters of reference are submitted before the
application deadline. No application materials
will be accepted via email.

Inquiries should be emailed to Darko
Stefanovic (*darko@cs.unm.edu*) the Chair
of the Department.

UNM is a recipient of an ADVANCE
Institutional Transformation grant from
the NSF to promote and advance women
and minority faculty in STEM fields,
and the UNM School of Engineering is
partnering with the ADVANCE at UNM
program to help recruit and retain an
excellent and diverse faculty.

For complete details and to apply, visit
https://unmjobs.unm.edu. Reference
requisition#: Req2769. For best
consideration, apply by: January 1, 2018.
This position will remain open until filled.

The University of New Mexico is committed
to hiring and retaining a diverse workforce.
We are an Equal Opportunity Employer,
making decisions without regard to race,
color, religion, sex, sexual orientation,
gender identity, national origin, age,
veteran status, disability, or any other
protected class.

University of New Orleans

Assistant Professor in Cyber Security

The Department of Computer Science at
the University of New Orleans (UNO) invites
applications for one tenure-track Assistant
Professor position starting in Fall 2018.
Strong preference will be given to the broad
area of cyber security and privacy, and to
candidates who complement current areas
of strength.

A Ph.D. in computer science, or a closely
related field is required for appointment;
successful applicants must possess
a record of research excellence, and
demonstrate strong teaching commitments
to graduate and undergraduate courses.

UNO is a Carnegie Higher Research
institution located in the vibrant and fast-
growing city of New Orleans. Over the last
decade, the metro area has experienced
a strong IT growth, and computer science
enrollment has doubled over five years. The
Department hosts two Board-recognized
research centers and has a strong record of
federal, state, and private research funding.

The cyber security program is hosted by the
GNOCIA (gnocia.uno.edu) research center
(with $2 million in active current NSF/DoD

funding) which supports over 15 graduate and undergraduate research assistants, two postdoc/research staff, and one adjunct faculty member.

UNO is an NSA-designated Center of Academic Excellent (CAE) in Research, and a CAE in Cyber Operations--one of only three institutions to hold it at both the undergraduate and the graduate levels.

Applicants should email a resume and three letters of reference to the Search Committee: *search@cs.uno.edu.*

The University of New Orleans is an Affirmative Action / Equal Employment Opportunity employer. We do not discriminate on the basis of race, gender, color, religion, national origin, disability, protected Veteran status, age if 40 or older, or any other characteristic protected by federal, state, or local law.

University of North Carolina at Chapel Hill

Professor of the Practice

The Computer Science Department of the University of North Carolina at Chapel Hill invites applications for the position of Professor of the Practice to begin on or after July 1, 2018. The position is for an initial term of four years, and is periodically renewable upon review. We seek applications from individuals with exceptional promise for, or a proven record of, teaching mobile applications development in a diverse undergraduate university environment. Experience developing applications for mobile platforms is desired, as is teaching at the university level and making appropriate use of instructional technology.

For more information, and to apply, please visit *http://www.cs.unc.edu/recruiting.*

UNC Chapel Hill

Assistant Professor

The Computer Science Department of the University of North Carolina at Chapel Hill invites applications for tenure-track faculty positions at the level of Assistant Professor to begin on or after July 1, 2018. We are seeking exceptional candidates with a strong research record in any of the following areas: systems, machine learning, data science, robotics, cyber-physical systems, and natural language processing.

For more information, and to apply, please visit *http://www.cs.unc.edu/recruiting.*

UNC Chapel Hill

Teaching Assistant Professor

The Computer Science Department of the University of North Carolina at Chapel Hill invites applications for the position of Teaching Assistant Professor to begin on or after July 1, 2018. The position is for an initial term of four years, and is periodically renewable upon review. We seek applications from individuals with exceptional promise for, or a proven record of, teaching introductory programming in a diverse undergraduate university environment. Experience teaching large classes, and using instructional technology for the same is desired.

For more information, and to apply, please visit *http://www.cs.unc.edu/recruiting.*

University of North Florida

Assistant Professor

A tenure-earning position (position #312640) at the Assistant Professor level in the School of Computing at the University of North Florida is available beginning August 2018. The successful candidate must have an earned Ph.D. degree (or will earn a Ph.D. degree by August 2018) in the field of Computing from an accredited institution. The successful candidate must demonstrate the potential for excellence in teaching and in research, demonstrated through top-level publications. The Computing programs in the School of Computing (computer science, information systems, information technology, and information science) are ABET accredited. Applicants must complete an online application at *www.unfjobs.org* to include: a letter of interest, a curriculum vitae, a list of three references with contact information, unofficial transcripts, a teaching statement, and a statement of vision for research. A pre-employment background check is performed on candidates selected for employment.

Please direct your questions to the search committee chair Dr. Asai Asaithambi at (904) 620-2985 or by e-mail at *Asai.Asaithambi@unf.edu.* Review of applications will begin on 10-30-2017 and continue until the position is filled.

UNF is an Equal Opportunity/Equal Access/ Affirmative Action Employer. Minorities, women, veterans & spouses of veterans, and disabled persons are encouraged to apply.

Jacksonville is one of the largest cities of the southeast with a diverse economy and an affordable cost of living. For more information visit: *www.coj.net.*

University of Notre Dame

Special Professional Faculty

The Department of Computer Science and Engineering at the University of Notre Dame seeks candidates for a full-time (2-3 courses per semester) Special Professional Faculty (SPF) position to teach courses primarily in the CSE undergraduate curricula. Initial appointment will be made for a term of three years at the Assistant Teaching Professor, Associate Teaching Professor, or Teaching Professor level depending on seniority and experience. Appointments are renewable for five-year terms and promotions to more senior ranks are available, depending on performance.

Competitive candidates will have the training and experience necessary to teach effectively in a range of courses in accredited degree programs in Computer Science and Computer Engineering. Candidates with backgrounds in all areas of Computer Science and Computer Engineering will be considered and relevant industry experience is also valued. Qualified candidates should have at least a master's degree, and preferably a doctoral degree, in Computer Science, Computer Engineering, or a related area. The Department is especially interested in candidates who will contribute to the diversity and excellence of the University's academic community through their teaching and service.

The University of Notre Dame is a private, Catholic university with a doctoral research extensive Carnegie classification, and consistently ranks in USNWR as a top-twenty national university. The CSE Department offers the Ph.D. degree and undergraduate Computer Science and Computer Engineering degrees. More information about the department can be found at: *http://cse.nd.edu/*

Applicants must submit a CV, cover letter, statement of teaching experience and philosophy, and contact information for three professional references, at least two of whom must be able to comment on the applicant's teaching experience. Teaching evaluations may be submitted, if available. Applications must be submitted at *http://apply.interfolio.com/45448.*

Review of applications will continue until the position has been filled.

The University is an Equal Opportunity and Affirmative Action employer; we strongly encourage applications from women, minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

University of Oklahoma

Faculty Position in Computational Biology

The University of Oklahoma College of Arts and Sciences and Gallogly College of Engineering seek creative and dynamic applicants for an open-rank tenured or tenure-track faculty position in Computational Biology. The position will start in August 2018 and is part of a cluster hire in data scholarship across the university. This initiative connects researchers from diverse scholarly domains for collaboration via common approaches and for improvement of educational and research opportunities. Possible departmental home(s) for the candidate include the School of Computer Science, the Department of Microbiology and Plant Biology, and the Department of Biology, among others. A joint appointment is likely depending on the interests of the applicant. The successful candidate will conduct research and be teaching in Computational Biology and/or Bioinformatics, such as in algorithm development (sequential, parallel, and/or distributed), systems analysis and modeling, genomic or ecological data mining and/or visualization. We particularly seek applicants with research directed to big data, including large-scale microbial, plant, or animal-omics, multi-scale biological modeling, or machine learning/artificial intelligence. If desired, support for laboratory work is available. In-line with the norms of the affiliate department(s), the incumbent will contribute to teaching and training of undergraduate and graduate students, including in the Data Science and Analytics M.S. program (*datascience.ou.edu*). The

incumbent will have a leadership role in the development of the cross-disciplinary data scholarship initiative.

Required qualifications:

- A Ph.D. in a biological science, computer science, or a related discipline or equivalent experience.
- A record of strong and sustained research activity.

Preferred qualifications:

- More than seven years of experience after the advanced degree.
- Experience in collaborative or cross-disciplinary research in computational biology and/or bioinformatics, including with private or industry entities.
- A record of extramural funding.
- A sustained research program and a record of high-impact publication.
- Successful teaching experience both to specialists and non-specialists, including innovative approaches to foster engagement in computational analysis.
- Leadership in research, instruction, and/or service.

Applications should be submitted to *https://apply.interfolio.com/46604* on ByCommittee and should include a curriculum vitae; three letters of reference; statements of research, teaching, and leadership interests and philosophy. Review of applications will begin December 1, 2017, and will continue until the position is filled. Questions may be directed to *CompBioSearch@groups.ou.edu.*

University of Oregon

Assistant Professor

High-performance Data Scientist

The University of Oregon Computer and Information Science Department invites applications for a tenure-track position of Assistant Professor in High-performance Data Science, to begin in fall 2018. We seek candidates specializing in data analytics, computational science, and/or AI applied to large scientific data, with a particular domain emphasis on Physics, Chemistry, Earth Sciences, or Psychology. We are especially interested in scholars who will enhance the department's existing strengths in machine learning, deep learning, and data mining.

This search is part of a presidential initiative to establish excellence in data science at the University of Oregon (see *https://provost.uoregon.edu/data-science*), oriented toward solving significant problems in science and society. As part of this initiative, the university is building a cross-disciplinary curricular and research data science program, which is supported by the university's recently launched High Performance Computing Research Core Facility – a supercomputing cluster with extensive computational and data storage capacity. There will also be opportunity to become involved with the university's Knight Campus for Accelerating Scientific Impact.

We are a diverse and growing department with strengths in high-performance computing, networking and distributed systems, and data science. Competitive applicants should have a record of excellence in research and potential to do outstanding teaching at the graduate and undergraduate levels.

We particularly welcome applications from scholars who are from populations historically underrepresented in the academy, and/or who have experience working with students from diverse backgrounds. The department actively recruits underrepresented groups for all cohorts: faculty, graduate students, and undergraduate students.

Minimum Requirements: Ph.D. in Computer Science or related field in hand by time of appointment. Salary is competitive.

Candidates are asked to apply on line at *https://academicjobsonline.org/ajo/jobs/10509* by submitting an application letter, a curriculum vitae, a research statement, a teaching statement, and at least three letters of recommendation by 15 January 2018, or until the position has been filled. If you are unable to use this online resource, please contact *faculty.search@uoregon.edu* to arrange alternate means of submitting application materials.

The University of Oregon is dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment and strongly encourages applications from minorities, women, and people with disabilities. Applicants are requested to include in their cover letter information about how they will further this goal. In particular, candidates should describe previous activities mentoring

minorities, women, or members of other underrepresented groups.

The University of Oregon is one of only two Pacific Northwest members of the Association of American Universities and holds the distinction of a "very high research activity" ranking in the Carnegie Classification of Institutions of Higher Education. The UO enrolls more than 20,000 undergraduate and 3,600 graduate students representing all 50 states and nearly 100 countries. In recent years, the university has increased the diversity of its student body while raising average GPAs and test scores for incoming students. The UO's beautiful, 295-acre campus features state-of-the art facilities in an arboretum-like setting. The UO is located in Eugene, a vibrant city of 157,000 with a wide range of cultural and culinary offerings, a pleasant climate, and a community engaged in environmental and social concerns. The campus is within easy driving distance of the Pacific Coast, the Cascade Mountains, and Portland.

University of Oregon

Assistant Professor

Department of Computer and Information Science Faculty Positions

The University of Oregon's Computer and Information Science (CIS) Department invites applications for two tenure-track faculty positions at the rank of Assistant Professor, to begin in September 2018. We seek candidates specializing in high-performance computing or data science. We are especially interested in scholars who will enhance/complement the department's existing strengths in these areas. Applicants whose research addresses security and/or privacy issues in these sub-disciplines are of particular interest.

CIS is a diverse and growing department with strengths in networking and distributed systems, data science, and high-performance computing. We offer a stimulating, friendly environment for collaborative research both within the department, which expects to grow substantially in the next few years, and with other units on campus; for example, the department plays a key role in the Knight Campus for Accelerating Scientific Impact. The department hosts two interdisciplinary research centers, the Center for Cyber Security and Privacy and the NeuroInformatics Center. Successful candidates have access to a new, state-of-the-art high- performance computing facility. CIS is part of the College of Arts and Sciences and is housed within the Lorry Lokey Science Complex. The department offers B.S., M.S. and Ph.D. degrees. More information about the department, its programs and faculty can be found at *https://cs.uoregon.edu/.*

Applicants must have a Ph.D. in computer science or closely related field, a demonstrated record of excellence in research, and a strong commitment to teaching. A successful candidate will be expected to conduct a vigorous research program and to teach at both the undergraduate and graduate levels. Additionally, successful candidates will support and enhance a diverse learning and working environment. Salary is competitive.

Candidates are asked to apply online at *https://academicjobsonline.org/ajo/ jobs/9499* by submitting a cover letter, a curriculum vitae, a research statement, a teaching statement, and the contact details for a minimum of three referees, by 15 December 2017, or until the post has been filled. If you are unable to use this online resource, please contact *faculty. search@cs.uoregon.edu* to arrange alternate means of application submission.

The University of Oregon is dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment and strongly encourages applications from minorities, women, and people with disabilities. Applicants are requested to include in their cover letter information about how they will further this goal. In particular, candidates should describe previous activities mentoring minorities, women, or members of other underrepresented groups.

The University of Oregon is one of only two Pacific Northwest members of the Association of American Universities and holds the distinction of a "very high research activity" ranking in the Carnegie Classification of Institutions of Higher Education. The UO has more than 20,000 undergraduate and 3,600 graduate students representing all 50 states and nearly 100 countries. The UO's beautiful, 295-acre campus features state-of-the art facilities in an arboretum-like setting. The

UO is located in Eugene, a vibrant city of 157,000 with a wide range of cultural and culinary offerings, a pleasant climate, and a community engaged in environmental and social concerns. The campus is within easy driving distance of the Pacific Coast, the Cascade Mountains, and Portland.

University of Pittsburgh

Multiple Tenure-track and Non-tenure Track Positions

The **University of Pittsburgh** (Pitt) is undertaking an ambitious multi-year plan to create a **School of Computing and Information** (SCI) that will serve as the nexus of computing and information throughout Pitt. SCI was launched in July 2017, with the appointment of Paul Cohen, previously with DARPA, as Founding Dean. SCI aims to create and harness data-driven technology, science and expertise to improve the safety, security, robustness, performance and understanding of complex, interacting natural, social and engineered systems for the betterment of the world. Predictive modeling and insightful analysis for evidence-based decision-making, in the context of these interacting systems, is key to this mission.

SCI has multiple openings at all levels, in all areas of computing and information research and education. These positions offer exciting opportunities to be a part of a new academic unit that aspires to be an international leader in agile and trans-disciplinary methods to solve problems and make discoveries of the greatest importance. Individuals will have the chance to play a leading role in developing this academic unit, which can act as a model for other universities to also transform themselves around computing and information.

Tenure-Track Positions

For the tenure track, SCI seeks individuals who think and work across traditional boundaries and who see themselves as dynamic cross-disciplinary players. While individuals working in fundamental areas of computing and information are encouraged to apply, SCI recognizes that expertise fulfilling its mission may fall outside of these areas, and the School strongly encourages individuals working in relevant non-traditional areas to also apply. Topics of particular interest include, but are not limited to, domain-oriented modeling and analysis; computationally- and data-driven causal methods for scientific and medical discovery; secure, robust and high-performance frameworks for modeling and management of interacting systems; and, theory and methods of knowledge reuse through data management, stewardship and reproducibility, as well as socio-technical systems and the nature of human interaction with information and data.

We also aim to jointly fill a tenure-track position with Pitt's Learning Research and Development Center (LRDC). This center is advancing the science of learning in an established multi-disciplinary setting, where learning is studied in its cognitive, neural, social and organizational aspects, making research and development links to formal education practice, policy and out-of-school settings. For this position, we seek a researcher–educator who uses computing or information science to address issues of learning and education, particularly from a systems viewpoint. This person would join a small, collaborative core of current faculty who have expertise in artificial intelligence applied to learning and reasoning, computational linguistics, knowledge representation, natural language learning, and spoken language dialogues. Exemplary specialties could include, among others, the use of big data in educational improvement, AI in education, technology-enhanced learning, natural language applications for education, personalized learning, and computational thinking and education. While all candidates with relevant experience will be considered, we are particularly interested in individuals at the advanced Assistant or Associate Professor levels, who have an established research program in an area related to learning and education.

Non-Tenure-Track Positions

Non-tenure track positions are also available. These positions are renewable and offer exciting career paths to teach and develop novel undergraduate programs, including the rethinking of curriculum to reflect emerging concepts, new skills and the deep entwinement of computing and information into other disciplines. Such programs are essential to train polymaths who understand the abstractions that unite disciplines, and can apply these concepts. As SCI transitions to a four-year undergraduate program, individuals filling these openings will have an opportunity to develop curriculum that teaches polymathic concepts beginning from a student's first day in the School.

About our Location

Pittsburgh is a vibrant hub of education, technology and medicine, with many startups and established companies throughout the region. Pittsburgh offers an exceptionally high quality of life, with low cost housing, excellent secondary schools, abundant outdoor activities and rich cultural attractions well beyond other cities of its size. The Wall Street Journal recently ranked the University of Pittsburgh as the top public university in the Northeast, and SCI has numerous connections to other centers, institutions and companies in Pittsburgh, including the University of Pittsburgh School of Medicine, the Center for Causal Discovery, the Pittsburgh Supercomputing Center, the Center for the Neural Basis of Cognition, Google, Uber, Oculus, Carnegie Mellon University and many others. Through these connections, there are ample opportunities to collaborate broadly and build multi-disciplinary research teams of the highest caliber. More information about these entities and the Pittsburgh region are available from the School of Computing and Information's Web site, LRDC's Web site, and the City of Pittsburgh's Web site to bring Amazon's Headquarters to the region.

Application Instructions

Individuals interested in these openings may apply at *http://www.sci.pitt.edu/* recruiting. Those interested in applying must submit:

1. a cover letter indicating the position for which you are applying and a brief explanation of how your interests align to the position

2. a curriculum vitae

3. a research statement describing your current and future research

4. a teaching statement describing your teaching philosophy

5. the names of at least four recommenders

Requirements

For tenure-track positions, a PhD is required.

For non-tenure track positions, an MS is required, and a PhD is strongly preferred.

Application review will begin immediately and applications will be accepted until all positions are filled. For full consideration, please apply by January 12, 2018. The anticipated start date is August 1, 2018.

Questions about the search and/or application status should be emailed to *sci-recruit@pitt.edu.*

Nominations and inquiries for senior openings may be sent in confidence to Bruce Childers, Associate Dean for Strategic Initiatives and Professor.

The University of Pittsburgh is an affirmative action and equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, marital status, national or ethnic origin, race, religion, sexual orientation, or veteran status.

University of Prince Edward Island

Tenure Track Position – Data Analytics – School of Mathematical & Computational Sciences – Faculty of Science

Competition Number: 36A17
Position Type: Academic Opening
Closing Date: Monday, January 1, 2018
Date of Posting: October 24, 2017
Department: School of Mathematical & Computational Science, Faculty of Science
Position: Tenure Track Position – Data Analytics

The Faculty of Science at University of Prince Edward Island invites applications for a tenure-track faculty position in the area of Data Analytics.

We are looking for someone to contribute to UPEI's School of Mathematical and Computational Science by teaching broadly across all years in Data Analytics programs, and providing leadership in developing/promoting these programs. This position is subject to final budgetary approval.

Applicants should have:

- a Ph.D. in Analytics, Statistics, Computer Science, Mathematics, or equivalent,

- Broad knowledge of the field of Analytics and engagement and connections in the Analytics community,

- Demonstrated teaching ability, with particular emphasis teaching Data Analytics,

- A research record of demonstrated excellence some area of Data Analytics,

- Well-developed skills of collaboration, relationship building and communication.

Rank and salary will be commensurate with qualifications. Full-time, permanent faculty receive a comprehensive fringe benefits package including group life, accidental death and dismemberment, supplemental health, travel insurance, pension, and long-term disability insurance.

Start date: July 1, 2018

About UPEI:

The School of Mathematical and Computational Sciences at UPEI consists of seventeen professors and two instructors, and offers programs in Mathematics, Statistics, Computer Science, Actuarial Science, Financial Mathematics, Data Analytics, Business Analytics, Video Game Programming and Mathematics with Engineering. The School is currently in a period of growth, with new programs (including in Data Analytics and Business Analytics) and new faculty and students.

The University of Prince Edward Island is located in the provincial capital of Charlottetown, a bustling tourist destination that boasts the amenities of a much larger city, including excellent theatre, galleries, music, and dining possibilities. A province-wide hiking and biking trail runs right along the UPEI campus, and the National Park beaches and world-famous golf courses are a short drive away. Charlottetown and its surrounding communities offer charming and affordable housing options, a low crime rate, and a semi-rural lifestyle that is second-to-none.

Application Procedures:

Applicants should send their full curriculum vitae, a statement of research interests and experience, a statement of teaching philosophy and the names of three references to:

Dr. Gordon MacDonald, Associate Dean
School of Mathematical and Computational Sciences
University of Prince Edward Island
550 University Avenue
Charlottetown PE
Canada C1A 4P3
Telephone: (902) 628-4349
Email: *smcs@upei.ca*
Fax: (902) 566-0466

In accordance with Canadian immigration requirements, all qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. UPEI is committed to the principle of equity in employment.

Review of applications will begin on January 1, 2018 and continue until a suitable applicant is identified.

University of Richmond

Department of Mathematics and Computer Science

Assistant Professor of Computer Science

The University of Richmond invites applications for a tenure-track Assistant Professor position in Computer Science to begin August 2018.

For additional information and to apply, please visit:

https://richmond.csod.com/ats/ careersite/JobDetails.aspx?site=1&id=1349

University of Rochester

Assistant Professor

Tenure-Track Faculty (CSC, 2017)

Department of Computer Science

Faculty Positions in Computer Science

The Computer Science Department at the University of Rochester seeks applicants for two tenure-track positions. Outstanding candidates will be considered in any area of computer science and at any level of seniority. We are particularly eager to grow our strength in human-computer interaction and in the theory and practice of security and privacy.

Candidates must have (or be about to receive) a doctorate in computer science or a related discipline. Applications should be submitted online (at *https:// www.rochester.edu/faculty-recruiting/ login*) no later than January 1, 2018, for full consideration; submissions beyond this date risk being overlooked due to limited interview slots.

The Department of Computer Science (*https:// www.cs.rochester.edu*) has a distinguished history of research in artificial intelligence, HCI, systems, and theory. We nurture a highly collaborative and interdisciplinary culture, with exceptionally strong external funding and with active ties to numerous allied departments, including brain and cognitive science, linguistics, biomedical engineering, electrical and computer engineering, and several departments in the medical center. Recent faculty hires have received a host of national honors, including the NSF CAREER award, the MIT TR35 award, honorable

mention in the ACM dissertation competition, multiple Google research awards, and best paper designations at top-tier conferences. In 2015 we were one of only two CS departments nationwide to secure three NSF CRII awards for junior faculty.

The department is deeply committed to building a more diverse and representative faculty, and strongly encourages applications from groups underrepresented in higher education. We have a vibrant Women in Computing community, and are a charter member of the ABI/HMC BRAID Initiative. With funding from the NSF, the CRA, and major industrial sponsors, BRAID works to increase diversity and inclusivity in the undergraduate program and to rigorously evaluate factors that contribute to change. In 2017, women constituted 33% of our BA/BS graduates, and we are actively working to improve the environment for other underrepresented groups.

The University of Rochester is a private, Tier I research institution with approximately 5,000 undergraduates and a comparable number of graduate students. It has recently committed $50M to the multidisciplinary Goergen Institute for Data Science (GIDS), of which Computer Science is the leading departmental member – and with which it shares a newly constructed state-of-the-art facility. Ongoing hiring in GIDS provides exciting opportunities for collaboration between computing and other disciplines.

Anchoring the Finger Lakes region of western New York State, the greater Rochester area is home to over a million people, and offers unsurpassed quality of life, with a thriving arts scene, outstanding public schools, affordable housing, and a huge range of cultural and recreational opportunities. Traditionally strong in optics research and manufacturing, the area was recently selected by the Department of Defense as the hub of a $600M Integrated Photonics Institute for Manufacturing Innovation.

The University of Rochester, an Equal Opportunity Employer, has a strong commitment to diversity and actively encourages applications from candidates from groups underrepresented in higher education.

EOE Minorities/Females/Protected Veterans/Disabled

University of San Francisco

Computer Science Assistant Professor, Tenure Track (2 positions)

The Department of Computer Science at the University of San Francisco is accepting applications for two tenure-track Assistant Professor positions starting in August 2018. Applicants must have a Ph.D. in Computer Science or a closely-related field. Strong applicants from all CS sub-disciplines will be considered.

Applicants must demonstrate both exceptional teaching ability and a strong potential for independent and collaborative research in computer science. Applicants will be expected to teach both undergraduate and graduate courses, maintain an active research program that involves students, and perform service duties to the CS department and university.

See *https://www.usfjobs.com/postings/13009* for the full job description and application instructions. To receive full consideration applications must be complete and submitted by January 2, 2018.

University of Scranton

Tenure Track Position

The Department of Computing Sciences at the University of Scranton (in Scranton, Pennsylvania) invites applications for a full time faculty position beginning Fall semester 2018. An ABD in Computer Science or a related field is required; a Ph.D. with classroom teaching experience is preferred.

The Computing Sciences Department offers undergraduate majors in Computer Science (ABET accredited), Computer Information Systems, and Information Technology, and a Master's degree program in Software Engineering.

With the department having six full-time faculty and approximately 80 students majoring in its various programs, the faculty-to-student ratio is low, making direct interaction with students the norm.

The department is located on the first floor of the Loyola Science Center, with all faculty offices, departmental labs, and associated resources in close proximity to each other. For more information, visit our website at *http://www.cs.scranton.edu/*.

The normal teaching load for faculty with active research is nine credits per semester. Sustained research and service are required for promotion and tenure.

Review of applications, which must be submitted online at *http://www. universityofscrantonjobs.com*, will continue until the position is filled.

Direct any questions about the position to Richard Plishka, Chair of the Computing Sciences Department (*richard.plishka@scranton.edu*).

The University of Scranton is an Equal Opportunity Employer/Educator.

University of South Carolina Upstate

Assistant Professor of Computer Science (2)

Assistant Professor of Computer Science

Posting: FAC00100PO17

Assistant Professor of Computer Science

Posting: FAC00011PO17

USC Upstate and the Division of Mathematics and Computer Sciences are seeking two (2) Tenure-track Assistant Professor of Computer Science beginning August 16, 2018. Faculty positions to teach on the Spartanburg and/or Greenville campus.

For a complete job description and to apply under the appropriate posting number, go to: *www.uscupstate.edu/jobs.*

Only applications submitted through the online application process will be considered; therefore, it is necessary to

hit the submit button after completing the application. A confirmation number will be issued when the process has been successfully completed. In addition to the online application, the following materials must be submitted either electronically or via mail: letter of application, a signed copy of the online application, vita, three current, dated, signed, and on official letterhead letters of recommendation, copies of graduate and undergraduate transcripts, and any additional materials. Review of applications begins immediately and continues until the position is filled. Official transcripts will be required before hire date as well as a background check.

Contact:
Dr. Bernard Omolo, Chair
Division of Mathematics and Computer Science
University of South Carolina Upstate
800 University Way
Spartanburg, SC 29303
Email: *bomolo@uscupstate.edu*
Phone: 864-503-5362

The University of South Carolina Upstate is an Affirmative/Equal Opportunity Institution. Minorities and women are encouraged to apply.

University of South Carolina

College of Engineering and Computing – Department of Computer Science and Engineering

Faculty Position in Cybersecurity

The University of South Carolina invites applications for a tenure-track faculty position at open rank in the Department

of Computer Science and Engineering (*http://www.cse.sc.edu*) starting Fall 2018. The department will consider exceptional candidates in any cybersecurity areas, but is particularly interested in candidates whose primary research expertise is in trustworthy embedded systems; secure wireless networks; safety, security, & reliability of cyber-physical systems and Internet of Things.

Applicants should possess a Ph.D. degree in computer science, computer engineering, or a closely-related field, and a demonstrated record of research accomplishments in the area of cybersecurity. Prior teaching experience is preferable, but not required. The successful candidate will be expected to develop internationally-recognized, externally-funded research programs that complement existing strengths in the College and University, and to participate in college-wide, cross-cutting projects. For details on these initiatives, please visit: *http://cec.sc.edu/employment.*

USC is designated by the National Security Agency (NSA) and the Department of Homeland Security (DHS) as a National Center of Academic Excellence in Information Assurance and Cyber Defense Education and Research. Cybersecurity education and research activities are centered in the Department of Computer Science and Engineering in the College of Engineering and Computing. The Department aims to build and expand on its ongoing initiatives to develop a strong, federally-funded cybersecurity research center. Applicants with existing or pending

projects funded by NSA, DHS, or other federal agencies are encouraged to apply.

The Department of Computer Science and Engineering offers B.S. degrees in Computer Science, in Computer Information Systems, and in Computer Engineering; M.S. and Ph.D. degrees in Computer Science and in Computer Engineering; M.S. degrees in Software Engineering and in Information Security; and a Graduate Certificate in Cyber Security Studies. The Department has 23 full-time faculty members (11 of whom are NSF CAREER Award recipients), an undergraduate enrollment of 921 students, and a graduate enrollment of 168 students.

Review of applications will begin on November 1, 2017 and continue until positions are filled. Expected start date is August 16, 2018. Interested applicants will apply online at http://cec.sc.edu/jobs/CYBER with: (1) a letter of intent, (2) curriculum vitae, (3) a concise description of research plans, (4) a teaching plan, and (5) names & contact information of 3-5 references.

Questions may be directed to:
Department of Computer Science and Engineering
Dr. John Rose, Professor and Faculty Search Committee Chair
rose@cse.sc.edu
(803) 777-2405

The University of South Carolina is an affirmative action, equal opportunity employer, and does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of race, sex, gender, age, color, religion, national origin, disability, genetics, sexual orientation or veteran status. Minorities and women are encouraged to apply. USC is responsive to the needs of dual career couples.

University of South Carolina

*College of Engineering and Computing –
Department of Computer Science
and Engineering
Multiple Open-Rank, Tenured or Tenure-Track Faculty Positions*

The College of Engineering and Computing at the University of South Carolina is in the process of expanding its tenured and tenure-track faculty members. As part of this growth, the Department of Computer Science and Engineering (*http://cse.sc.edu*) seeks dynamic new tenured and tenure-track faculty members (at all ranks) for Fall 2018. Applicants should possess a Ph.D. degree in computer science, computer engineering, or a closely-related field, and a demonstrated record of research accomplishments. The successful candidate will be expected to develop internationally-recognized, externally-funded research programs that complement existing departmental strengths. We also desire candidates whose expertise aligns with vital cross-cutting initiatives identified by the College. For details on these initiatives, please visit: *http://cec.sc.edu/employment.*

In alignment with these initiatives, research themes of particular interest to the Department are those related to Smart & Connected Communities, Transformative Computing, Healthcare Transformations, and Smart & Agile Manufacturing. Areas of special interest include: smart technologies, deep learning, adaptive & resilient cybersecurity, computational science methods, high-performance computing, computer architecture, artificial intelligence, cyber-physical systems, wireless networking, mobile computing, software engineering, and human-computer interaction.

The Department of Computer Science and Engineering offers B.S. degrees in Computer Science, in Computer Information Systems, and in Computer Engineering; M.S. and Ph.D. degrees in Computer Science and in Computer Engineering; M.S. degrees in Software Engineering and in Information Security; and a Graduate Certificate in Cyber Security Studies. The Department has 23 full-time faculty members (11 of whom are NSF CAREER Award recipients), an undergraduate enrollment of 921 students, and a graduate enrollment of 168 students.

Review of applications will begin on November 1, 2017 and continue until positions are filled. Expected start date is August 16, 2018. Interested applicants will apply online at *http://cec.sc.edu/jobs/CSE* with: (1) a letter of intent, (2) curriculum vitae, (3) a concise description of research plans, (4) a teaching plan, and (5) names & contact information of 3-5 references.

Questions about the departmental search may be directed to:

Department of Computer Science and Engineering

Dr. John Rose, Professor and Faculty Search Committee Chair

rose@cse.sc.edu

(803) 777-2405

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University of Southern California

Viterbi School of Engineering – Department of Computer Science

Teaching Faculty Position

Los Angeles, CA

The Department of Computer Science (*http://cs.usc.edu*) at the USC Viterbi School of Engineering (*https://viterbischool.usc.edu/*) seeks a candidate for a teaching position (Lecturer) to teach undergraduate and graduate courses. This is a full time, benefits eligible faculty position on the non-tenure track. The USC Viterbi School is committed to increasing the diversity of its faculty and welcomes applications from women, persons from underrepresented minority groups, veterans, and individuals with disabilities. We are interested in exceptional candidates at all levels.

Competitive candidates will have the training and experience necessary to teach effectively in a highly-ranked Computer Science department that advances undergraduate students through an accredited BS degree program and graduate students enrolled in MS and PhD programs. While we are interested in candidates with backgrounds in all areas of Computer Science, we are particularly interested in candidates with expertise in Algorithms, Artificial Intelligence, Machine Learning, Databases, Computer Games, Programming Languages, Networks/Systems, and Software Engineering. Relevant industry experience is valued for candidates interested in teaching games-related courses.

This is primarily a teaching position; all candidates are expected to have a strong commitment to teaching. Lecturer will spend the majority of its time on teaching and teaching-related duties with reduced obligation for research and University service. Qualified candidates should have a doctoral degree in Computer Science (or equivalent) by the date of appointment. Salary and benefits are competitive. While we seek applications at the level of Lecturer, in exceptional cases, applicants with longer teaching experience may also be considered for a commensurate position (e.g., Senior Lecturer).

Applicants should submit their applications online at: *https://goo.gl/ZaUXz3*

Applications must include a cover letter, a detailed curriculum vitae, a teaching statement, and names of at least three professional references, at least two of whom must be familiar with, and able to comment on, the applicant's teaching experience. Applicants may also include a research statement. Applications should be submitted by January 20, 2018. Applications received after this deadline may not be considered.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 185 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed $185 million annually. With 45 tenure-track, 41 research faculty, and 17 teaching faculty, the USC Department of Computer Science is one of the nation's leading centers of research and education in the field.

USC is an equal opportunity, affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability, or any other characteristic protected by law or USC policy. USC will consider for employment all qualified applicants with criminal histories in a manner consistent

with the requirements of the Los Angeles Fair Chance Initiative for Hiring ordinance. In addition to its commitment to faculty diversity, the USC Viterbi School of Engineering is committed to enabling the success of dual career families and fosters a family-friendly environment.

University of Sydney

Lecturer / Senior Lecturer in Algorithms

This is an attractive opportunity for candidates with an interest and passion for high quality excellent research and teaching. Strong candidates from all areas of algorithmic research are sought, including but not limited to: algorithm analysis, graph algorithms, algorithmic game theory, approximation algorithms, combinatorial optimisation, quantum theory, and computational learning theory.

Visit *sydney.edu.au/recruitment* and search by the reference number 648/0417B for more information and to apply.

Closing date: 11:30pm 15 December 2017 (Sydney time)

©The University of Sydney

University of Sydney

School of Information Technologies

Faculty of Engineering and Information Technologies

Reference no. 653/0417A

About the opportunity
The School of Information Technologies (SIT) invites applications from outstanding candidates for a continuing Senior Lecturer or Associate Professor position (Level C or D) in Security i.e.

Cyber security targeting such areas as IoT and physical and cyber infrastructure.

About you
To be successful, you will have a PhD in computer science, or a closely related discipline. You must show evidence of excellent research achievements in one of more areas of computer security and the ability to publish your research in highly-ranked outlets. A strong commitment to teaching and learning is required as well as evidence of ability to lecture and prepare new teaching material. You will be expected to teach a range of computer science and security related courses.

All applications must be submitted via the University of Sydney careers website. Visit sydney.edu.au/recruitment and search by the reference number for more information and to apply.

Closing date: 11:30pm 07 January 2018 (Sydney time)

University of Texas at Austin

Assistant Professor (Tenure Track) in Computer Science

The Department of Computer Science of the University of Texas at Austin invites applications for a tenure-track Assistant Professor position. Outstanding candidates in all areas of Computer Science will be considered, particularly in: computer vision, machine learning, cybersecurity and formal methods.

All tenured and tenure-track positions require a Ph.D. or equivalent degree in computer science or a related area at the time of employment. Successful candidates are expected to pursue an active research program, to teach both graduate and undergraduate courses, and to supervise graduate students in research. The department is committed to building a diverse faculty and we are interested in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service.

The department is ranked among the top ten computer science departments in the country. It has 44 tenured and tenure-track faculty members across all areas of computer science. Many of these faculty participate in interdisciplinary programs and centers in the University, including the Texas Advanced Computing Center (TACC), and those in Computational and Applied Mathematics, Computational Biology, and Neuroscience.

Austin, the capital of Texas, is a center for high-technology industry, including companies such as Dell, IBM, Advanced Micro Devices, 3M Corporation, National Instruments, Apple Computer, Inc., AT&T and Samsung. For more information about the department, please visit *http://www. cs.utexas.edu*

All faculty positions require a cover letter, current curriculum vita, research statement, teaching philosophy and

selected publications. For tenure-track faculty positions, three (3) reference letters are required.

To apply for a tenure-track position on-line at *http://apply.interfolio.com/43687*

A review of complete applications (including all reference letters) will begin

on December 15, 2017. Inquiries about your application may be directed to *faculty-search@cs.utexas.edu*. For full consideration of your application, please apply by January 31, 2018. The University of Texas is an Equal Opportunity Employer.

University of Texas at San Antonio

Faculty Positions in Electrical and Computer Engineering

The Department of Electrical and Computer Engineering at **the University of Texas, San Antonio (UTSA)** invites applications for two tenure-track/tenured level position starting Fall 2018 at the tenure-track Assistant or tenured/tenure-track Associate ranks.

Position 1: Machine Learning and Data Analytics. Position 1: Areas of particular interest are machine learning and data analytic algorithms, supporting infrastructure and software, applications, data-driven decision making, visualization and communication, big data technology, real-time analytics and learning methods including deep learning, and other related areas.

Application packages should be submitted to: *http://jobs.utsa.edu/postings/7627*

Position 2: Machine Learning and Its Applications. Outstanding candidates from all research areas of machine learning applications will be considered, but preference will be given to candidates with primary research interest in machine learning for autonomous systems, medical/health informatics, and IoTs, including (but not limited to) reasoning and decision making, and reinforcement learning.

Application packages should be submitted to: *http://jobs.utsa.edu/postings/7628*

USF UNIVERSITY OF SOUTH FLORIDA
COLLEGE OF ENGINEERING

The University of South Florida invites applications for instructor positions in
Computer Science and Engineering

The University of South Florida is creating the first BS in Cybersecurity program in Florida. This program will be centered in the Department of Computer Science and Engineering in collaboration with multiple other Departments and Colleges in the USF System. We are seeking full-time Instructor positions who can teach a broad range of core and elective courses at the undergraduate and graduate levels as part of this new program. This is an exciting opportunity to be part of the creation of a new program in a high-demand area. Candidates must have past experience in teaching in Computer Science or Information Technology. The University offers a promotion path for instructors. Salary will be commensurate with qualifications and experience. Candidates must have completed a PhD in computer science, computer engineering, information technology, or a related engineering area. Special emphasis is on candidates who can teach in areas related to cybersecurity. Experience in teaching online is desirable. Successful candidates are expected to start in spring 2018 or fall 2018.

The Department of Computer Science and Engineering (http://www.usf.edu/engineering/cse/) has 25 tenure-track/tenured faculty members, ten instructors, five staff members/advisors, and offers B.S., M.S., and Ph.D. degrees, serving more than 800 undergraduate, 120 masters, and 85 PhD students. The department has a strong working relationship with the Florida Center for Cybersecurity. Department ranks include ten NSF CAREER awardees, one National Academy of Inventors (NAI) Fellow, four IEEE Fellows, four IAPR Fellows, three AAAS Fellows, and three AIMBE Fellows. The Computer Engineering graduate program was ranked 48th among US public universities by US News and World Report (2016). USF CSE faculty members have 31 issued patents, own seven copyrights, and have executed eight license/option agreements between FY12-FY16.

The University of South Florida System is a high-impact, global research system dedicated to student success. The USF System includes three institutions: USF; USF St. Petersburg; and USF Sarasota-Manatee. The institutions are separately accredited by the Commission on Colleges of the Southern Association of Colleges and Schools. All institutions have distinct missions and their own detailed strategic plans. Serving over 48,000 students, the USF System has an annual budget of $1.6 billion and an annual economic impact of $4.4 billion. USF is a member of the American Athletic Conference.

With over 230 degree programs at the undergraduate, graduate, specialty and doctoral levels, including the doctor of medicine, there's something for everyone at USF. We believe in creating a talented, engaged and driven workforce through on-going development and career opportunities. We also offer a first class benefit package that includes medical, dental and life insurance plans, retirement plan options, tuition program and generous leave programs and more.

An application package should include a cover letter, curriculum vitae, statement describing teaching experience and goals, and the names and contact information of at least three references. Applicants must electronically submit the application packet to the following website: http://www.usf.edu/administrative-services/human-resources/careers/ (**Applicants search Job Opening ID# 14647**). Applications will be considered starting immediately until the positions are filled.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the Department chair. To request disability accommodations in the application and interview process, please notify Khoa Dinh, the EOL Coordinator at (813) 974-9272.

Professional Opportunities

University of Texas at San Antonio

Faculty Position in Computer Science

The Department of Computer Science at The University of Texas at San Antonio (UTSA) invites applications for two tenured/tenure-track positions, starting in Fall 2018. The first position is for a tenure-track Assistant or tenured/tenure-track Associate Professor in Game-related areas. The focus is on Computer Graphics, especially 3D animation, 3D modeling, and real-time rendering; and/or Human Computer Interaction, especially human computer interfaces, virtual reality, augmented reality, and game analytics. The second position is for a tenured/tenure-track Associate Professor in Data Science and Artificial Intelligence, focusing on cyber security, Internet of things, bioinformatics, natural language processing, speech recognition, language understanding, computer vision, or machine learning. This position is part of UTSA's focused cluster hiring plan under the *Gold Star Initiative* to recruit top-tier researchers over a four-year period.

See *http://www.cs.utsa.edu/fsearch* for information on the Department and application instructions. Screening of applications will begin immediately. The search will continue until the positions are filled or the search is closed. The University of Texas at San Antonio is an Affirmative Action/Equal Opportunity Employer.

Department of Computer Science
RE: Faculty Search
The University of Texas at San Antonio

One UTSA Circle
San Antonio, TX 78249-0667
Phone: 210-458-4436

University of Texas Rio Grande

Multiple Positions in Computer Science and Computer Engineering

The College of Engineering and Computer Science at The University of Texas Rio Grande Valley (UTRGV) invites applications for three positions in Computer Science and Engineering to begin in Fall 2018. UTRGV currently has about 30,000 students with the CS department having around 1000 in various undergraduate and graduate degree programs as well as around 400 Computer Engineering students, which is a joint program between CS and EE.

CS Department Chair:
https://careers.utrgv.edu/postings/16221

Open Rank:
https://careers.utrgv.edu/postings/16222

Assistant Professor:
https://careers.utrgv.edu/postings/16223

University of Toronto

Assistant Professor, Tenure Stream

The Department of Computer Science at the University of Toronto invites applications for multiple tenure-stream positions at the rank of Assistant Professor, starting July 1, 2018.

Areas of interest include, in the broadest possible sense:

- Computer Systems, Numerical Analysis and Scientific Computing, or Knowledge Representation and Reasoning

- Computer Science Education

- Data Visualization – joint position with the Department of Statistical Sciences

- Sustainability and Climate Informatics – joint position with the School of the Environment

In addition, the Department of Mathematical and Computational Sciences, University of Toronto Mississauga (UTM) is hiring for multiple tenure-stream positions at the assistant professor and associate professor level in the area of Robotics.

For all positions, we are especially interested in exceptional candidates who transcend traditional disciplines and complement our existing strengths.

The University of Toronto is an international leader in research and education in computer science and in the cognate areas we are jointly searching with. Successful candidates are expected to pursue innovative research at the highest international level; to establish a strong, externally funded independent research program; to have a strong commitment to undergraduate and graduate teaching; and to contribute to the enrichment of both undergraduate and graduate programs in the department(s).

All appointments will begin on July 1, 2018. Candidates should have a Ph.D. in the relevant field(s) as described in the individual ads posted at *www.cs.toronto.edu* by the date of appointment or shortly thereafter.

Evidence of excellence in research and teaching at the highest international levels is required. Excellence in research will be evidenced primarily by publications in top ranked field relevant journals, awards and accolades, presentations at significant conferences, and strong reference letters by referees of top international stature. Teaching excellence will be demonstrated by awards and accolades, teaching accomplishments as well as strong endorsements by referees

Salaries will be commensurate with qualifications and experience, and is competitive with our North American peers.

Applicants should apply online AcademicJobsOnline, and include a curriculum vitae, a list of publications, research and teaching statements. Applicants should also arrange to have at least three letters of reference uploaded through AcademicJobsOnline directly by the writers.

Review of applications will begin on November 30, 2017, and applicants should endeavor to have all materials submitted by then, however applications may be considered after this date.

For more information about the Department of Computer Science, see our website *www.cs.toronto.edu* or contact Sara Burns at *recruit@cs.toronto.edu.*

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

University of Utah
Assistant Professor, Lecturer

The School of Computing (SoC) at the University of Utah seeks applicants for the position of Lecturing Professor (at all ranks) beginning in the fall semester of 2018. This lecturing position is intended to be a long term or permanent position, with possibilities for extended contracts and promotion within the University's Career-Line Faculty structure.

The School of Computing currently employs 41 tenure-track and 7 lecturing professors who collaborate to offer a variety of undergraduate and graduate degree and certificate programs and is expected to grow significantly in the coming years. The SoC offers graduate and undergraduate degrees in computing, computer science and computer engineering, including a new masters degree in software development.

The qualifications of an ideal candidate include (i) a strong academic background in computer science or a related field (Ph.D. preferred but not required), (ii) practical experience in the computer industry, (iii) a demonstrated proficiency in teaching, and (iv) an interest in curriculum development. Lecturing faculty typically teach 4 courses a year, be strongly involved in SoC or campus service roles, and should seek to continuously improve their scholastic credentials (e.g., by developing curriculum, employing innovative pedagogical methods, etc.). The responsibilities typically include training, supervising, and evaluating student teaching assistants.

The University of Utah provides a generous benefits package with a variety of medical and dental plans from which to choose. Other important benefits include retirement, tuition reduction, a wellness program, and an Employee Assistance Program.

The University of Utah is a Carnegie Research I Institution, and the School of Computing is an exciting, growing school with a 50-year history of excellence in computer science education, innovation, and research. The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Additional information about the school and our current faculty can be found at *http://www.cs.utah.edu.* Candidates may apply through the following url: *http://utah.peopleadmin.com/postings/70803*

The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, veterans, and persons with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans. Reasonable disability accommodations will be provided with reasonable notice. For additional

information about the University's commitment to equal opportunity and access see: *http://www.utah.edu/nondiscrimination/.* The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students.

University of Virginia

Biomedical Data Science

The University of Virginia (UVA) seeks applicants for tenure-track or tenured faculty appointments in the broad area of Biomedical Data Science.

To apply, visit j*obs.virginia.edu/applicants/Central?quickFind=83384* and submit a cover letter, CV, statement of research interests, statement of teaching philosophy, and contact information for at least three references.

These positions remain open until filed.

The University of Virginia is an equal opportunity and affirmative action employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

University of Virginia

Faculty, Cyber-Physical Systems

The University of Virginia (UVA) seeks applicants for tenured and tenure-track faculty positions in Cyber-Physical Systems (CPS).

To apply, visit *jobs.virginia.edu/applicants/Central?quickFind=83252* and submit a cover letter, CV, statement of research interests, statement of teaching philosophy, and contact information for at least three references.

These positions remain open until filed.

The University of Virginia is an equal opportunity and affirmative action employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

University of Virginia

Non-Tenure-Track Teaching (Open Rank)

The Department of Computer Science at the University of Virginia seeks applications for multiple non-tenure-track teaching faculty positions to begin in August 2018. Candidates can apply for these long-term positions at one of three professorial ranks or at one of three lecturer ranks. We seek applicants who share our interest and enthusiasm for excellence in computing science education.

The department is committed to creating and benefiting from an environment where a diversity of capable, inspired individuals interact and collaborate to learn and advance knowledge without barriers.

Candidates for a General Faculty position at the rank of Assistant, Associate or full Professor must have a PhD or equivalent experience in computer science or a related discipline. They must have an interest in and ability to teach a broad

set of courses in our undergraduate curriculum. Course load will be two to three sections per semester consisting of a mix of upper- and lower-division courses. Graduate-level teaching will possibly be included. Faculty in professorial positions will have service responsibilities, and scholarship in computing or in CS education is expected for promotion. The department strongly values scholarship activities by General Faculty that have potential to advance computing education.

Candidates for a General Faculty position at the Lecturer, Senior Lecturer or Distinguished Lecturer rank must have a Master's degree or equivalent experience in computer science or a related discipline. Lecturers will usually teach two to three sections of core undergraduate courses but will also have the opportunity to teach more specialized upper-level courses. Lecturers may have fewer expectations for service activity, and will not be required to be engaged in scholarship.

These positions will have renewable three-year contracts. University policies insure that these positions benefit from opportunities for professional development. General Faculty receive departmental support for their teaching and scholarship activities.

The University of Virginia is annually ranked as one of the premier public institutions in the United States and is located in Charlottesville, a picturesque and vibrant small city perennially ranked as one of the best places to live in the U.S. More information about town, the school, faculty

benefits, and other topics can be found at *http://uvacharge.virginia.edu/guide.html.*

To apply, visit *https://jobs.virginia.edu* and search on Posting Number 0621850. Complete a Candidate Profile online, attach a CV, a cover letter stating your interest in the position and your interests and experience in computing education, a statement of teaching philosophy, and contact information for 3 references.

Review of candidates will begin on November 15, 2017 and will continue until positions are filled.

For additional information about the positions or the application process, please contact Tom Horton via email at *horton@cs.virginia.edu* or by phone at 434 982-2217.

With one of the highest graduation rates of minority undergraduate students and one of the highest percentages of women engineering students among public universities, the University of Virginia is fundamentally committed to increasing the diversity of its faculty and staff. UVA is an affirmative action and equal opportunity employer. We welcome nominations of and applications from women, members of minority groups, veterans and individuals with disabilities. We also welcome others who would bring additional dimensions of diversity to the university's research and teaching mission. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences.

University of Virginia

Open Rank Tenured/Tenure-Track Faculty

The School of Engineering and Applied Science at the University of Virginia seeks candidates for multiple open rank, tenured or tenure-track faculty in the Department of Computer Science. Candidates will be expected to pursue high-impact scholarship, teach, and perform service for the University and professional organizations. Successful candidates will find a stimulating and nurturing academic environment where innovative, interdisciplinary, and foundational research is conducted in a collegial atmosphere that prizes collaboration across fields, departments, and schools. A Ph.D. in a relevant field must be in hand by the start date of the appointment. A commitment to teaching excellence is essential, as is evidence of a commitment to diversity and of advancing understanding and outcomes for underrepresented groups. For a tenure-track appointment, potential to develop a strong and high-impact publication record, and potential to obtain extramural funding in the areas of interest outlined above, are required. For an appointment with tenure, the applicant must have an emerging or established national reputation, a documented line of research related to the areas of interest outlined above, and a track record of existing and sustained extramural funding.

The University of Virginia is rated as one of the top 3 public universities in the nation and in the top 30 among all universities, public and private. More information about the city, school, faculty benefits, and other topics can be found at: *http://uvacharge.virginia.edu/guide.html.*

To apply, applicants must submit a Candidate Profile through Jobs@UVA (*https://jobs.virginia.edu*), search on posting number 0621925. Applicants should submit a cover letter, CV, teaching statement, research statement, and names and contact information for 3 references. If more than 3 references are listed, only the first 3 will be contacted.

The review of applications will begin on December 1, 2017 and will continue to review applications as they are received until the positions are filled. For questions about these positions, please contact Prof. Andrew Grimshaw at *grimshaw@virginia.edu.* With one of the highest graduation rates of minority undergraduate students and one of the highest percentages of women engineering students among public universities, the University of Virginia is fundamentally committed to increasing the diversity of its faculty and staff. UVA is an affirmative action and equal opportunity employer. We welcome nominations of and applications from women, members of minority groups, veterans and individuals with disabilities. We also welcome others who would bring additional dimensions of diversity to the university's research and teaching mission. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences.

University of Washington

Assistant Professor, Associate Professor, Research Assistant Professor AA26248

The University of Washington's Paul G. Allen School of Computer Science & Engineering has multiple tenure-track positions in a wide variety of technical areas in both Computer Science and Computer Engineering. Hires will be made at the Assistant (0116) and Associate (0102) Professor ranks, although individuals at more senior ranks with exceptional credentials may be considered. The positions would be full-time multi-year appointments with 9-month service periods. Our school offers a highly collegial and collaborative culture, with broad interdisciplinary research ties across campus. We are leaders both in core computing and computer engineering research, and in research that applies computer science to solve pressing world challenges, including problems in medicine and global health, education, accessibility, and developing world technology.

We may also consider full-time non-tenured research faculty at the Research Assistant Professor (0143) level. Applicants for both tenure-track and research positions must have earned a doctorate, or foreign equivalent, by the date of appointment. All University of Washington faculty engage in teaching, research and service.

The University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers.

We are building a culturally diverse faculty and encourage applications from women and minority candidates. We welcome learning how applicant's experience or future plans for teaching, research, and service would support our commitment to diversity.

Application Instructions

Please apply online at *https://norfolk. cs.washington.edu/apply* with a letter of application, a complete curriculum vitae, statement of research and teaching interests, and the names of four references. Applications received by December 15, 2017 will be given priority consideration. Open positions are contingent on funding.

The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status or genetic information.

University of Washington

Lecturer, Senior Lecturer, Search AA26249

The University of Washington's Paul G. Allen School of Computer Science & Engineering has one or more full-time or part-time positions for Lecturers and Senior Lecturers. Applicants for lecturer positions must have earned at least a Master's degree or have relevant teaching experience. Lecturers and Senior Lecturers will be hired on multi-year appointments with a 9-month service period. We seek candidates with a strong commitment to teaching and student mentoring. All University of Washington faculty engage in teaching and service and may engage in outreach as well.

Our school offers a highly collegial and collaborative culture, with a range of teaching and curriculum-development opportunities in lower-division and upper-division courses for majors and non-majors. The Seattle area is particularly attractive given the presence of significant industrial research laboratories as well as a vibrant technology-driven entrepreneurial community that further enhances the intellectual atmosphere. Information about the school can be found on the web at *http://www.cs.washington.edu.*

The University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers. We are building a culturally diverse faculty and encourage applications from women and minority candidates. We welcome learning how applicant's experience or future plans for teaching, research, and service would support our commitment to diversity.

Application Instructions

Please apply online at *https://norfolk. cs.washington.edu/apply* with a letter of application, a complete curriculum vitae, statement of teaching interests and experience, and the names of four references. Applications received by December 15, 2017 will be given priority consideration. Open positions are contingent on funding.

The University of Washington is an affirmative action and equal opportunity

employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status or genetic information.

University of Washington

Assistant Professor, Associate Professor, Research Assistant Professor AA26250

The University of Washington's Paul G. Allen School of Computer Science & Engineering and Department of Electrical Engineering, as part of the joint UW Experimental Computer Engineering Lab (ExCEL), are searching for a joint appointment (with precise percentages as appropriate for the candidate). The position is a tenure-track Assistant Professor or Associate Professor, or Research Assistant Professor, although individuals at senior ranks with exceptional credentials may be considered. A moderate teaching and service load allows time for quality research and close involvement with students.

The Paul G. Allen School of Computer Science & Engineering and Department of Electrical Engineering are co-located on campus, enabling cross department collaborations and initiatives. The Seattle area is particularly attractive given the presence of significant industrial research laboratories, a vibrant technology-driven entrepreneurial community, and spectacular natural beauty. Information about ExCEL can be found at *https://www.excel.washington.edu/*

We welcome applications in all computer engineering areas including but not exclusively: atomic scale devices & nanotechnology, implantable and biologically-interfaced devices, synthetic molecular engineering, VLSI systems and CAD, embedded systems, low power and developing world. We expect candidates to have a strong commitment both to research and teaching. Applicants for both tenure-track and research positions must have earned a PhD by the date of appointment, or foreign equivalent. All University of Washington faculty engage in teaching, research and service.

The University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers. We are building a culturally diverse faculty and encourage applications from women and minority candidates. We welcome learning how applicant's experience or future plans for teaching, research, and service would support our commitment to diversity.

Application Instructions

Please apply online at *https://excel.washington.edu/apply* with a letter of application, a complete curriculum vitae, statement of research and teaching interests, and the names of four references. Applications received by December 15, 2017 will be given priority consideration. Open positions are contingent on funding.

The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status or genetic information.

University of Waterloo

Faculty Positions – Tenure Track

Applications are invited for one or more tenure-track faculty positions at the rank of Assistant Professor, and in special cases Associate or Full Professor, at the Institute for Quantum Computing (IQC) and any department in the Faculties of Mathematics and Science. IQC is a collaborative research institute focused on quantum information science and technology, ranging from the theory of quantum information to practical applications. Membership in IQC is renewable, with an initial appointment of 5 years, and comes with research space, a teaching reduction of one course, and a stipend. Information about research at IQC can be found at *http://uwaterloo.ca/iqc/research*

A PhD and significant evidence of excellence in research in quantum information science and technology and the potential for effective teaching are required. Responsibilities include the supervision of graduate students and teaching at the undergraduate and graduate levels. Based on qualifications, a salary range of $78,500 to $155,000 will be considered. Negotiations beyond this salary range will be considered for exceptionally qualified candidates. Effective date of appointment is September 1, 2018. The search is open to all areas of quantum information that connect

Professional Opportunities

with the goals and ongoing research at IQC.The University of Waterloo is host to the Institute for Quantum Computing. At present, IQC has a complement of 28 faculty members (growing to 39) from the Faculties of Engineering, Mathematics and Science. Interested individuals should upload their application via the faculty application form at: *https://uwaterloo.ca/institute-for-quantum-computing/positions.*

Full consideration for these positions is assured only for applications received by December 1, 2017. The University of Waterloo respects, appreciates and encourages diversity and is committed to accessibility for persons with disabilities. We welcome applications from all qualified individuals including women, members of visible minorities, Aboriginal peoples and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority in the recruitment process.

Three reasons to apply: *https://uwaterloo.ca/fauw/why.*

University of Waterloo

Tenure Track Position in Computer Engineering and Software

The Department of Electrical and Computer Engineering at the University of Waterloo is seeking an exceptional candidate for a tenure-track position beginning on or around September 1, 2018. The department is inviting candidates in the broad areas of computer engineering, software systems, and computer science to apply for the

position. It is anticipated that the position will be at the rank of Assistant Professor, but exceptional cases at the Associate or Full Professor rank will be considered.

The successful candidate must have a PhD in Electrical Engineering, Computer Engineering, Computer Science, or a related discipline. Evidence of an actively developing research program is required. Duties include research, teaching at both the undergraduate and graduate levels, and supervising graduate students. The successful candidate will be equally committed to ensuring excellence in undergraduate and graduate teaching and to developing and maintaining an active and internationally recognized research program. The successful candidate will be expected to teach a mix of undergraduate courses, in addition to developing and teaching innovative graduate courses. Based on qualifications and the rank hired at, an annual salary will range from $100,000 to $150,000. For exceptionally qualified candidates, a higher annual salary will be considered.

Screening will begin immediately upon receipt of a complete application. To ensure full consideration, the application must be received before December 31, 2017.

For further information see: *https://uwaterloo.ca/engineering/faculty-and-staff/faculty-positions#Computer-Engineering-and-Software*

University of Waterloo

Canada Research Chair (Tier II)

Tenure-Track or Tenured Faculty Position

David R. Cheriton School of Computer Science

Faculty of Mathematics

The David R. Cheriton School of Computer Science invites applications for one senior tenure-track (assistant professor) or tenured (associate/full professor) faculty position.

An exceptional researcher is sought who will enhance the school's strength in Computer Science. Priority areas include Algorithms and Data Structures, Human-Computer Interaction, Computational Optimization for Data Science and Finance, Computer Security, and Software Engineering, but outstanding applicants in all areas of Computer Science are encouraged to apply.

The successful candidate will have the endorsement of the Cheriton School to apply for a Tier II Canada Research Chair (CRC), which the school has available. Tier II Chairs are intended for exceptional emerging scholars (i.e., candidates must have at most 10 years of experience as an active researcher in their field at the time of nomination). Applicants who are more than 10 years from having earned their highest degree (and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc.) may have their eligibility for a Tier II Chair assessed through the program's Tier II justification process. Please consult the Canada Research Chairs website for

full program details, including eligibility criteria: *http://www.chairs-chaires.gc.ca/ program-programme/index-eng.aspx.* The CRC Tier II position includes substantial research support and teaching reduction. The successful applicant is expected to engage actively in graduate student supervision and teaching, to contribute to the overall development of the school, and to be, or to have demonstrated the potential to be, a leader in a Computer Science research area. A PhD in Computer Science, or equivalent, is required. Rank and salary will be commensurate with experience; the salary range is $110,000 – $170,000 and negotiations beyond this salary range will be considered for exceptionally qualified candidates. The appointment is expected to commence during the 2018 calendar year.

The David R. Cheriton School of Computer Science is the largest computer science school in Canada, with 89 faculty members. It enjoys an excellent reputation in pure and applied research and houses a diverse research program of international stature. Because of its recognized capabilities, the school attracts exceptionally well-qualified and diverse students at both undergraduate and graduate levels. In addition, the University of Waterloo has an enlightened intellectual property policy that vests all rights in the inventor. Please see the school's website for more information: *https://www.cs.uwaterloo.ca.*

To submit an application, please register at the submission site: *https://www. cs.uwaterloo.ca/faculty-recruiting.* Once registered, instructions will be

provided regarding how to submit your full application. Applications will be considered when they are complete and as long as positions are available. However, full consideration is assured only for applications received by November 30, 2017. Questions regarding process should be forwarded to the chair of the School Advisory Committee on Appointments, Professor Ken Salem, at *cs-recruiting@uwaterloo.ca.*

The University of Waterloo respects, appreciates and encourages diversity and is committed to accessibility for persons with disabilities. We welcome applications from all qualified individuals including women, members of visible minorities, Indigenous/Aboriginal peoples and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority in the recruitment process.

Three reasons to apply:
https://uwaterloo.ca/fauw/why.

University of Waterloo

Tenure-Track or Tenured Faculty Positions

David R. Cheriton School of Computer Science

Faculty of Mathematics

The David R. Cheriton School of Computer Science invites applications for up to ten tenure-track (assistant professor) or tenured (associate/full professor) faculty positions.

Excellent faculty members are sought who will enhance the school's strength in Computer Science. Priority areas include:

1) Algorithms and Data Structures

2) Human-Computer Interaction

3) Computational Optimization for Data Science and Finance

4) Computer Security

5) Software Engineering

As well, there are one or more positions that are open to all areas of Computer Science. Tenured appointments at the associate and full professor level are possible as circumstances warrant. All successful applicants are expected to engage actively in graduate student supervision and teaching, to contribute to the overall development of the school, and to be, or to have demonstrated the potential to be, leaders in their research field. A PhD in Computer Science, or equivalent, is required. Rank and salary will be commensurate with experience; the salary range is $110,000 – $170,000 and negotiations beyond this salary range will be considered for exceptionally qualified candidates. Appointments are expected to commence during the 2018 calendar year.

The David R. Cheriton School of Computer Science is the largest computer science school in Canada, with 89 faculty members. It enjoys an excellent reputation in pure and applied research and houses a diverse research program of international stature. Because of its recognized capabilities, the school attracts exceptionally well-qualified students at both undergraduate and

WAYNE STATE UNIVERSITY
Department of Computer Science

Applications are invited for multiple tenure-track faculty positions at the assistant/associate professor level beginning in Fall 2018. While candidates with research expertise in computer systems, software engineering, high-performance computing, cyber security, data science, and computational life sciences (e.g., bio/health/medical informatics) will receive the strongest consideration, outstanding applicants in other areas are encouraged to apply. This search is primarily at the assistant professor level, but candidates with exceptional accomplishments will be considered for senior levels. Faculty candidates are expected to have a Ph.D. in Computer Science or a closely related field and to demonstrate potential for excellence in both research and teaching. Salaries and startup package are highly competitive.

Application Instructions
Applicants should submit a cover letter, statement of research and teaching, and curriculum vitae with the contact information of three references in a single PDF file. For full consideration, applications must be received by December 15, 2017.

Apply online at jobs.wayne.edu (posting number: 043067). Nominations and inquiries should be directed to Professor Loren Schwiebert at loren@wayne.edu.

Wayne State University is a premier, public, urban research university located in the heart of Detroit where students from all backgrounds are offered a rich, high quality education. Our deep-rooted commitment to excellence, collaboration, integrity, diversity and inclusion creates exceptional educational opportunities preparing students for success in a diverse, global society. WSU encourages applications from women, people of color, and other underrepresented people. Wayne State is an affirmative action/equal opportunity employer.

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graduate levels. In addition, the University of Waterloo has an enlightened intellectual property policy that vests all rights in the inventor. Please see the school's website for more information: *https://www.cs.uwaterloo.ca.*

To submit an application, please register at the submission site: *https://www. cs.uwaterloo.ca/faculty-recruiting.* Once registered, instructions will be provided regarding how to submit your full application. Applications will be considered when they are complete and as long as positions are available. However, full consideration is assured only for applications received by November 30, 2017.

The University of Waterloo respects, appreciates and encourages diversity and is committed to accessibility for persons with disabilities. We welcome applications from all qualified individuals including women, members of visible minorities, Aboriginal peoples and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority in the recruitment process.

Three reasons to apply: *https://uwaterloo.ca/fauw/why.*

University of Waterloo

Tenure Track Position in Computer Systems Software

The Department of Electrical and Computer Engineering at the University of Waterloo is seeking an exceptional candidate for a tenure-track position beginning on or around September 1, 2018. The department is particularly interested in candidates with a demonstrated research record in building, evaluating, experimenting with, and scaling of computer systems software, with contributions being publishable in operating systems venues. It is anticipated that the position will be at the rank of Assistant Professor, but exceptional cases at the Associate or Full Professor rank will be considered.

The successful candidate must have a PhD in Computer Engineering, Computer Science, or a related discipline. Evidence of an actively developing research program is required. Duties include research, teaching at both the undergraduate and graduate levels, and supervising graduate students. The successful candidate will be equally committed to ensuring excellence in undergraduate and graduate teaching as he or she is to research. The successful

candidate will be expected to teach a mix of undergraduate courses such as operating systems, database systems, and distributed systems, in addition to developing and teaching innovative graduate courses. Based on qualifications and the rank hired at, an annual salary will range from $100,000 to $150,000. For exceptionally qualified candidates, a higher annual salary will be considered.

Screening will begin immediately upon receipt of a complete application. To ensure full consideration, the application must be received before December 31, 2017.

For further information see: *https://uwaterloo.ca/engineering/ faculty-and-staff/faculty- positions#Computer-Systems-Software*

University of Waterloo

David R. Cheriton Chair in Software Systems

Tenured Faculty Position

David R. Cheriton School of Computer Science

Faculty of Mathematics

The David R. Cheriton School of Computer Science invites applications for one tenured (associate or full professor) faculty and research chair position.

The Cheriton Chairs were created to support world-leading research in traditional and emerging areas of Computer Science and interdisciplinary fields. An outstanding researcher is sought for one endowed Cheriton Chair at the rank of associate or full professor, with tenure. The chair includes substantial research support and teaching reduction. The successful applicant is expected to lead an innovative and high-impact research program, to engage actively in graduate student supervision, and to contribute to the overall development and reputation of the school. Candidates are expected to have an outstanding research record in Software Systems (very broadly defined). A PhD in Computer Science, or equivalent, is required and rank and salary will be commensurate with experience; the salary range is $150,000 – $200,000 and negotiations beyond this salary range will be considered for exceptionally qualified candidates. The appointment is expected to commence during the 2018 calendar year.

The David R. Cheriton School of Computer Science is the largest computer science school in Canada, with 89 faculty members. It enjoys an excellent reputation in pure and applied research and houses a diverse research program of international stature. Because of its recognized capabilities, the school attracts exceptionally well-qualified students at both undergraduate and graduate levels. In addition, the University of Waterloo has an enlightened intellectual property policy that vests all rights in the inventor. Please see the school's website for more information: *https://www.cs.uwaterloo.ca.*

To submit an application, please register at the submission site: *https://www.cs.uwaterloo.ca/faculty-recruiting.* Once registered, instructions will be provided regarding how to submit your full application. Applications will be considered when they are complete and as long as positions are available. However, full consideration is assured only for applications received by November 30, 2017.

The University of Waterloo respects, appreciates and encourages diversity and is committed to accessibility for persons with disabilities. We welcome applications from all qualified individuals including women, members of visible minorities, Aboriginal peoples and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority in the recruitment process.

Three reasons to apply: *https://uwaterloo.ca/fauw/why.*

WAYNE STATE UNIVERSITY
Department of Computer Science

The College of Engineering at Wayne State University has embarked on an initiative to create a world-class center of research excellence in Cyber-Physical Systems. The College of Engineering is a leader in the practical integration of teaching and research. Located in Midtown Detroit, Wayne State University is a preeminent public urban research university known for academic and research excellence, success across a diverse student body and meaningful engagement in its urban community. The College has more than 130 faculty with a student enrollment of 3,700.

As part of this initiative, the Department of Computer Science seeks candidates for multiple tenured or tenure-track faculty positions in the areas of cyber-physical systems and smart cities. Candidates in areas such as cyber security or data science with applicable research are also encouraged to apply. Candidates are expected to have a Ph.D. in Computer Science or a closely related field and demonstrate potential for excellence in both research and teaching. Salaries and startup package are highly competitive.

Application Instructions
Applicants should submit a cover letter, statement of research and teaching, and curriculum vitae with the contact information of three references in a single PDF file. For full consideration, applications must be received by December 15, 2017.

Apply online at jobs.wayne.edu (posting number: 043066). Nominations and inquiries should be directed to Professor Loren Schwiebert at loren@wayne.edu.

Wayne State University is a premier, public, urban research university located in the heart of Detroit where students from all backgrounds are offered a rich, high quality education. Our deep-rooted commitment to excellence, collaboration, integrity, diversity and inclusion creates exceptional educational opportunities preparing students for success in a diverse, global society. WSU encourages applications from women, people of color, and other underrepresented people. Wayne State is an affirmative action/equal opportunity employer.

University of Wisconsin-Madison

Faculty Positions in Computer Science

The Computer Sciences Department at the University of Wisconsin-Madison has embarked on a multi-year effort to expand its strengths. We invite applications from highly qualified candidates in all areas of computer science at the tenure-track and tenured levels. Appointments begin August 2018.

We seek applicants across the spectrum of CS, from technology-driven to problem-driven research. Excellence in teaching is valued, as is the potential to develop an outstanding scholarly research program. As Wisconsin's capital, Madison is a vibrant, livable city and home to one of the highest-ranked CS departments in the world, as well as a growing technology hub. Find details at *http://www.cs.wisc.edu/about/ employment* (AA/EOE)

University of Wisconsin-Madison

Assistant/Associate/Full Professor

The University of Wisconsin Madison Biostatistics and Medical Informatics Department seeks candidates for a tenure track faculty position. Applicants should have a doctoral degree in Computer Science, Biomedical Informatics, Bioinformatics, Computational Biology or a closely related quantitative area.

Ideal candidates will have a machine learning or data science expertise with experience or a demonstrated interest in motivating their methodological research by any of the vast array of applications in the biological, clinical or public health sciences.

For more information and application instructions see *http://jobs.hr.wisc.edu/ cw/en-us/job/496600/professor*

Wentworth Institute

Assistant Professor – Computer Science and Networking

The Department of Computer Science and Networking invites applications for four Assistant Professorships beginning August 31, 2018. Qualifications required of all applicants include a minimum of an M.S. in Computer Science or a related discipline, and a strong commitment to teaching at the undergraduate and graduate levels. Particular attention will be given to candidates with a background in cybersecurity, networking, software engineering, artificial intelligence, or programming languages, although candidates with any computational background are encouraged to apply.

The Department consists of 14 faculty members and offers programs leading to two B.S. degrees in Computer Science and Computer Networking. The Department also offers a fully online M.S. program in Applied Computer Science. The Department has teaching and research strengths in algorithms, databases, machine learning, networking, operating systems, high performance computing, software engineering, and mobile/web application development. In addition, members of the Department have close collaborative

relationships with faculty in applied mathematics, sciences, and electrical and computer engineering, among many others.

Wentworth's mission is to prepare our students for career success through experiential learning. Faculty are expected to teach undergraduate computing courses, to engage in research and scholarly activity, and to perform service to the institute (including academic advising and serving on committees) and the profession. Faculty are strongly encouraged to participate in service learning opportunities with the Center for Community and Learning Partnerships and in innovation and entrepreneurship activities with Accelerate.

Review of applications will begin on October 1, 2017 and continue on a rolling basis. Qualified applicants should apply at h*ttps://jobs.wit.edu/postings/3546.* Wentworth seeks to increase the diverse perspectives of its faculty and encourages applications from members of underrepresented groups in STEM.

Wentworth is an AA/EEO employer. Women and minorities are encouraged to apply. Wentworth is a tobacco-free campus.

Wheaton College (Massachusetts)

Assistant Professor, Computer Science

Wheaton College (MA) invites applications for a full-time, tenure track Assistant Professor in Computer Science to start in the Fall of 2018. A strong commitment to teaching is expected, along with an active research program. Research interests in data science, machine learning, and cloud computing are especially welcome, but all areas will be considered. We seek an innovative teacher who values interdisciplinary work and can share computational thinking with our vibrant, entrepreneurial-ready community.

For more information and to apply, visit *http://jobs.wheatoncollege.edu/postings/2254*

Wichita State University

Department Chair and Professor

The Department of Electrical Engineering and Computer Science at the Wichita State University, seeks a visionary leader as the Department Chair. The Department Chair is expected to advance the education and research initiatives of the department and represent the department to the academic community, alumni, and industry. The Department Chair will promote diversity within the department and provide avenues for faculty and student development.

Required Qualifications: Candidates must have an earned doctorate in Computer Science, Computer Engineering, Electrical

Engineering or a related field and must be qualified for a tenured faculty position at the Professor level. Progressing Associate Professors whose work would merit promotion to Professor are also encouraged to apply. Candidates must have a strong scholarly research and funding record, record of effective teaching with willingness to accommodate different learning styles, a demonstrated record of leadership, management, and strong communication skills.

Preferred Qualifications: Candidates having experience with industry collaboration, interdisciplinary education and research, faculty and/or staff professional development activities would be given preference. Evidence to show commitment to embrace the synergy of CS, CE, CN, and EE and lead initiatives that could advance this mission is desired.

Application Process: Candidates should submit a curriculum vitae, application letter addressing how s/he meets the position requirements, a vision statement for the Electrical Engineering and Computer Science Department that promotes advancement in research and education, and contact information of five references (name, address, email, and phone number) at jobs.wichita.edu/postings/11980 by January 15, 2018. Applications will continue to be reviewed after that date, until the position is filled. More information could be found at *www.wichita.edu/eecsjobs.*

CRA
Computing Research
Association

Yale University

Senior Lecturer or Lecturer

The Yale Computer Science Department invites applications for a position at the rank of Lecturer or Senior Lecturer, to start in the 2018-2019 academic year. Applicants are expected to excel in the teaching of large introductory 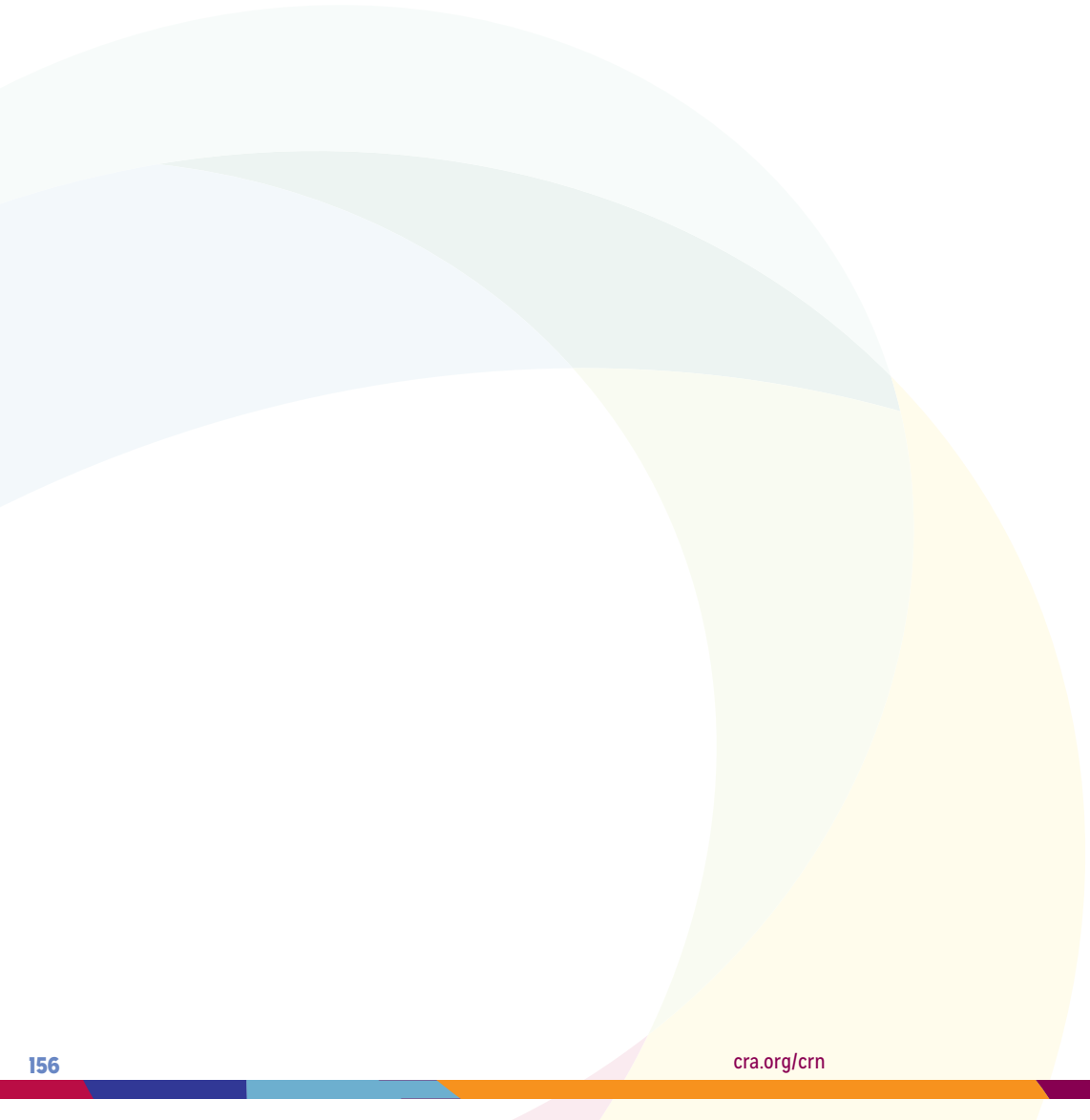courses. Opportunities to teach upper-level courses, to supervise student projects, and to collaborate with Yale's world-class faculty in numerous computationally active fields are also available. The department's home page can be found at *http://cpsc.yale.edu*.

A candidate should hold (or expect to receive by the end of 2018) a Ph.D. in computer science or a related discipline. The department will start reviewing applications on December 15, 2017, and will continue until the position is filled. Please apply at *http://apply.interfolio.com/45792*.

Yale University is an Affirmative Action/Equal Opportunity employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, protected veterans and underrepresented minorities.