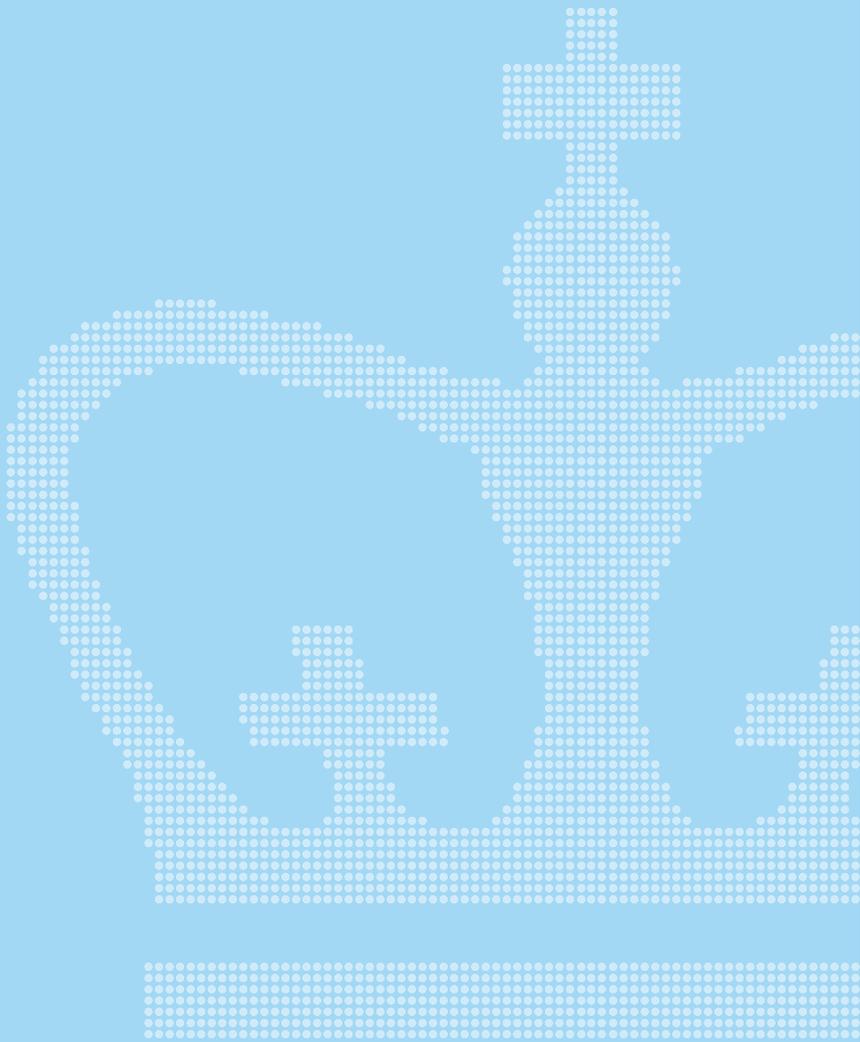
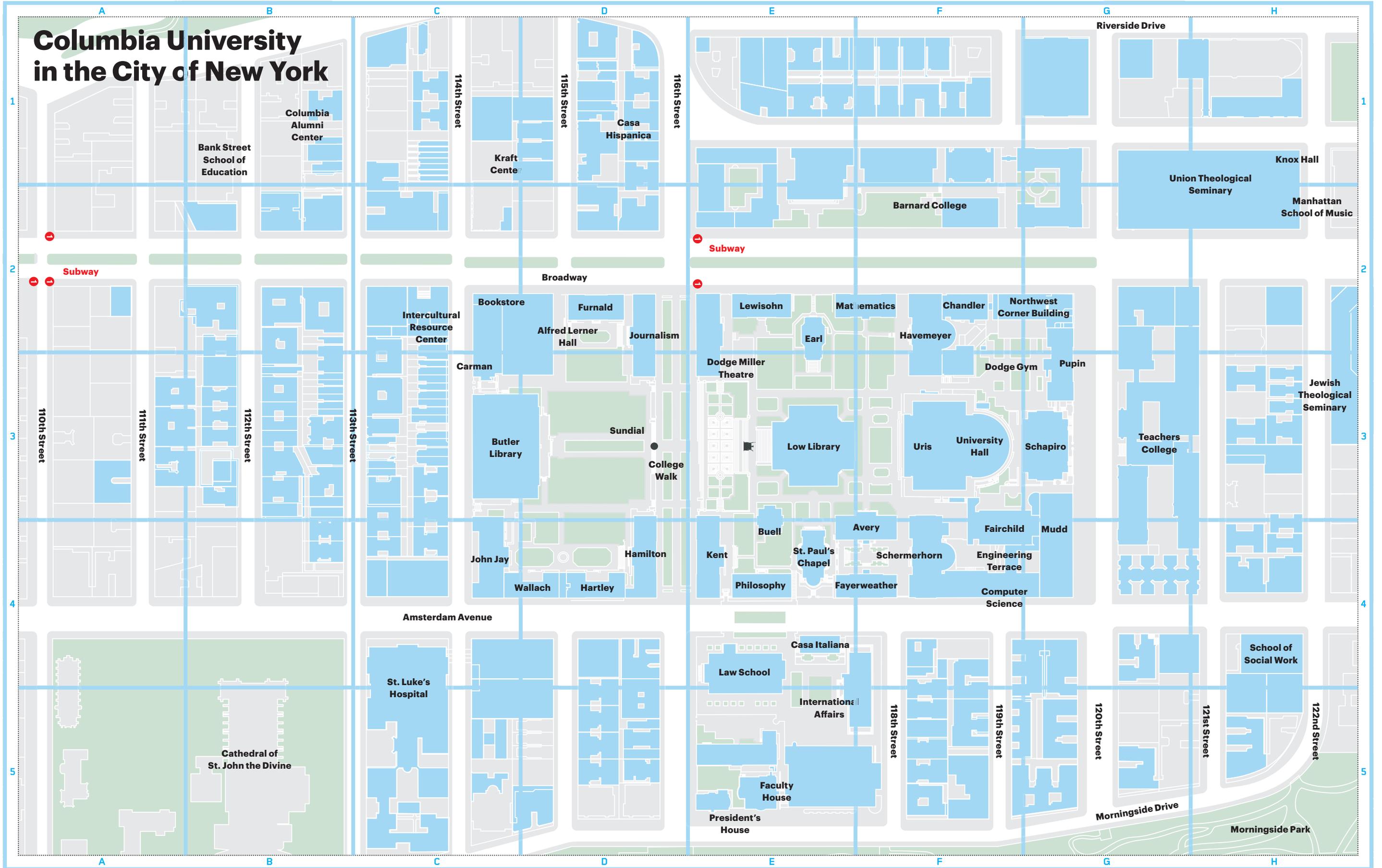


# Columbia Blue



# Columbia University in the City of New York





Watching over Low Plaza is Alma Mater, a bronze sculpture by Daniel Chester French, famous for his statue of Abraham Lincoln at the Lincoln Memorial in Washington, D.C. Alma Mater is also the subject of many Columbia legends, including that the first student in every new class to find the hidden owl on the statue will be the class valedictorian.

**A1**

Want to know where this is on campus? You can find all the places shown in photographs throughout this book on the campus map on the inside front cover. Just look for the location code on each photo.

## Columbia Blue

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Call it blue sky thinking, a bolt of blue inspiration, or rhapsody in blue. Everything you need to realize your personal, professional, and doing-good-in-the-world ambitions is here.

Learning from today's iconic thinkers and leaders not just in books but in person. Living in a city driven by the smartest, newest ideas. Adding your personality, friendship, and inspiration to one of the most diverse and interesting student bodies of any campus. Reveling in "Roar, Lion, Roar!" traditions and spirit both grand and quirky.

Earning lifetime intellectual confidence through a legendary Core Curriculum. Creating real-world solutions through the first-year engineering design course. Joining dozens of clubs, finding that one club that will be a true passion now and throughout your life.

Having the freedom to reach for any goal on a campus, in a city, in a community where shaping society, culture, and the world happens every day. **Dive into the Columbia Blue.**



As a Columbian you are part of an extraordinary community of students — more eclectic than you can dream of yet, more at home together than you can imagine. Our students are united in their sense of adventure and desire to welcome the unknown, the unexpected, the overlooked, and seek out new ideas, new information, and new possibilities.



# 1

## Blue View: Part I



Named after former Columbia President Seth Low and patterned loosely on the Classical Pantheon, Low Library has the largest all-granite dome in the United States. No longer a library, Low houses the Visitors Center and the Office of the President, and is used for campus events.



Alfred Lerner Hall is Columbia's student center. Lerner is home to the Center for Student Advising and the Office of Multicultural Affairs, as well as student group advising and the Office of Financial Aid. It also includes student lounges, two dining venues, a black box theater, pool and game room, 7,000 undergraduate mailboxes, two computer rooms, offices for student organizations, and numerous event spaces, including a 1,100-seat auditorium and a 400-seat cinema.



Butler Library is the centerpiece of the Columbia University Libraries, one of the ten largest academic library systems in the nation. Housing close to one-third of the Libraries' on-site collections, Butler Library includes more than 600,000 rare books and 28 million manuscripts, and the world-famous Oral History Research Office and collection. Several books and screenplays have been written here, including Nobel Prize-winning novelist Orhan Pamuk's *The Black Book* and alumnus Dan Futterman's Oscar-nominated script for the film *Capote*.

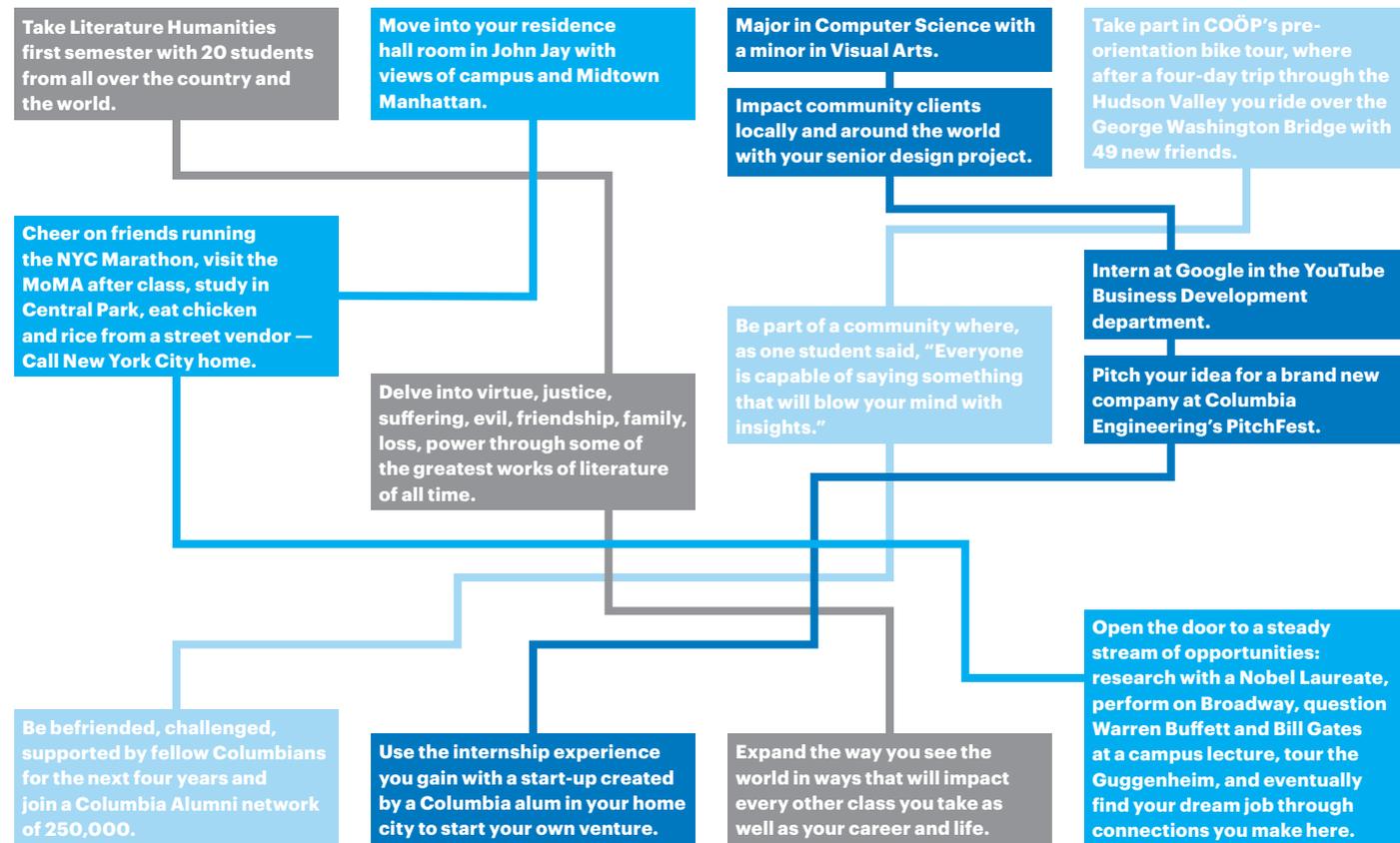


# 2

## Exponential Education



Every aspect of the Columbia experience opens doors to an ever-deeper set of opportunities. Each of these beginnings is the tip of the iceberg, the first domino, the catalyst in an education with unending exponential power that builds throughout a Columbian's life. **Call it Columbia to the power of infinity.**



Described as one of the great urban spaces in America, Low Plaza was built to resemble a Greek amphitheater. Fittingly, it's ideal for outdoor concerts,

fairs, and staged performances like the King's Crown Shakespeare Troupe's annual productions.



Going to Columbia is a kind of dual citizenship — you are a Columbian and a New Yorker. Each in itself is a life changer. The combination? Unequaled.



# Columbia

In 1754 Columbia University was founded as King's College by royal charter of King George II of England. It is the oldest institution of higher learning in the state of New York and the fifth oldest in the United States.



**Columbia College**



**The Fu Foundation School of Engineering and Applied Science**

**“Columbia has broadened my intellectual horizons, exposed me to the most diverse and unique individuals and communities, challenged me to step out of my comfort zone, and ultimately introduced me to an incredible world of opportunities that surpass any expectation I could have ever had.”**

PATRICIA KLARIC,  
La Paz, Bolivia; Financial Economics and Political Science

## Undergraduate Programs

**5,800**

undergraduates; one of the most diverse student bodies in the country.



Columbia students can choose from almost 200 study abroad programs.

Nearly **100**

Programs of Study, from Earth and Environmental Engineering to Creative Writing to Urban Studies.

**12+**

conservatory-caliber arts majors and programs.

Almost **400**

research opportunities reserved for Columbia Engineering undergraduates through the Undergraduate Research Involvement Program.



22 libraries.

**60+**

majors in the humanities and social sciences.

**22**

majors in all branches of the biological, natural, and physical sciences.

**40+**

engineering majors and minors.

Nearly **80%**

of undergraduate classes have fewer than 20 students.

A student to faculty ratio of

**6 to 1**

**3 to 1**

in the physical sciences.

**35,000+**

Undergraduate alumni network.

**250,000**

University alumni network.

**79**

Nobel Prize winners are Columbia alumni, faculty, or former faculty. More Nobel Laureates have graduated from or taught at Columbia than any other university in the Ivy League.

**143**

faculty in the American Academy of Arts and Sciences, which studies and sets the nation's direction of research in science and technology policy, global security, social policy, and the humanities. Its founders include Benjamin Franklin, Thomas Jefferson, and George Washington.

**20**

members of the National Academy of Engineering, 13% of Columbia Engineering faculty (one of the highest percentages of any engineering faculty).

**45**

members of the National Academy of Sciences.

**\$1 Billion** annually to the University in research funding.

A science and engineering faculty generating

**more income from patents**

than any other university.

More than **200**

research institutes and centers, including a wide range of world-class laboratories.

**500**

clubs and organizations. From the Columbia University Society of Hip-Hop to America Reads, from the Alpine Racing Team to the King's Crown Shakespeare Troupe, from the Scientists and Engineers for a Better Society to the Journal of Politics & Society, from the Chicano Caucus to Bluegrass Band — You'll find not one club per interest area but dozens with as much vibrancy and diversity as our students.



60+ a cappella, comedy, dance, film, music, and theatre clubs and organizations.



31 NCAA Division I teams, 45+ club and 40+ intramural Sports.



20+ residence halls.



12+ on-campus dining halls and cafés.

**First**

gay-rights advocacy group on any college campus.

**First**

African American advocacy group on a multi-racial campus.

**First**

college literary magazine.

**13**

Graduate and Professional Schools  
**College of Physicians and Surgeons**  
**School of Architecture, Planning and Preservation**  
**School of the Arts**  
**School of Arts and Sciences**  
**School of Business**  
**School of Dental and Oral Surgery**  
**School of Engineering and Applied Science**  
**School of International and Public Affairs**  
**School of Journalism**  
**School of Law**  
**School of Nursing**  
**School of Public Health**  
**School of Social Work**



4 Affiliate Institutions  
**Barnard College**  
**Jewish Theological Seminary**  
**Teachers College**  
**Union Theological Seminary**

# Columbia as Engine of Innovation

A map of the labs, lecture halls, and landmarks where ideas and inventions from anthropology to FM radio began.



## Knox Hall

**Paul Lazarsfeld** and **Robert K. Merton** shaped the field of mass communications research and established sociology as a bona fide discipline here.

## Havemeyer Hall

**Harold Clayton Urey** did the Nobel-winning research here that led to his discovery of deuterium.

## Mathematics Hall

This former home of the Engineering School once featured a full-sized steam locomotive inside in honor of such early Columbia Engineering greats as steam power pioneer **John Stevens** (1768).

## Miller Theatre

The legacy of alumni **Rodgers and Hammerstein**, who changed the face of American musical theatre starting with Columbia's *Varsity Show*, continues here.

## Watson Laboratory

**Computer history** was designed here: the first true computer, first supercomputer, first personal computer.

## Furnald Hall

Internationally influential Spanish poet and dramatist **Federico Garcia Lorca** lived here.

## The Earth Institute

**Jeffrey Sachs**, author of the ground-breaking text *The End of Poverty*, who is widely considered to be the leading international economic advisor of his generation, directs The Earth Institute.

## Hamilton Hall

**Lionel Trilling**, one of the most public of the twentieth century's public intellectuals, wrote *The Liberal Imagination* (1950) while he was a professor here.

## Pupin Hall

Where the **uranium atom** was first split in the U.S. is a National Historic Landmark.

**Horst Störmer**, who shared the Nobel in physics for discovering "a new form of quantum fluid," is a member of Columbia's Departments of Physics and Applied Physics, which makes its home here.

Nobelist **Isidor Rabi's** discovery here of nuclear magnetic resonance led to the laser and MRI.

## Uris Hall

**Joseph Stiglitz**, Nobel Laureate in Economics, helped create a new branch of economics here.

## Fayerweather Hall

**Eric Foner**, winner of a 2011 Pulitzer Prize for *The Fiery Trial: Abraham Lincoln and American Slavery* — bringing unforeseeable twists and a fresh sense of improbability to a familiar story — teaches here.

## Casa Italiana

**Mozart's** famous librettist, **Lorenzo Da Ponte**, was the first professor of Italian Literature at Columbia.

## Philosophy Hall

Working in Professor Pupin's basement lab, **Edwin Armstrong** invented FM radio.

**John Dewey**, arguably America's greatest philosopher, who was responsible for changing the way educators think about education, taught here for 25 years.

## Mudd

Professor **James Im's** process for developing high-quality silicon film began here and is playing a crucial role in developing the latest generation of flat-screens for a wide array of electronic devices.

## Schermerhorn Hall

**Thomas Hunt Morgan's** fruit fly experiments here earned a Nobel and launched modern genetics.

**Margaret Mead** revolutionized the study of anthropology here.

## International Affairs Building

Nobel Laureate, Professor, and Economist **Robert Mundell** — known as the father of the theory of optimum currency areas — teaches here.

**Edmund S. Phelps** — winner of the Nobel Laureate in Economics for his work putting "people as we know them" back into economic models — teaches here.

## Lamont-Doherty Earth Observatory

**Wallace Smith Broecker**, Grandfather of Climate Science, coined "global warming" in his definitive ocean research.

**William Ewing** helped establish global earthquake monitoring and the theory of plate tectonics.

## Columbia Medical Center

**Eric Kandel** shared a Nobel for research that transformed understanding of memory and learning.

Nobel Laureate **Richard Axel** mapped the genes that govern the sense of smell.

# Columbia as Culture of Connection

Columbia is an in-person kind of place — a crossroads of connections where there is no distance at all between those on their way to living lives of impact and influence and those already doing so. Here are just some of the people who recently visited campus and connected with students.



Former Supreme Court Justice **Sandra Day O'Connor** speaks on civil rights in an "Age of Terrorism" at Columbia Law School.



Senator **John McCain** speaks at Columbia College Class Day.



President of Bolivia **Evo Morales** speaks at the World Leaders Forum.



Former President of the Republic of Chile **Michelle Bachelet** speaks at the World Leaders Forum.



President **Barack Obama**, CC '83, speaks on campus at the ServiceNation Presidential Forum in Boone Arledge Auditorium.



Founder and Convener of the Global Peace Initiative of Women **Dena Merriam** speaks to students as part of the Columbia Undergraduate Scholars Program speaker series.



**Warren Buffett** and **Bill Gates** appear together in a special hour-long community forum filmed by CNBC for global broadcast.



CNN anchor **Anderson Cooper** speaks to students at a School of Journalism talk.



Former United Nations Secretary-General, Nobelist, and Columbia professor **Kofi Annan** speaks at the annual World Leaders Forum, which also features the President of Argentina, the President of Serbia, and the Prime Minister of Nepal.



Anthropologist **Dr. Paul Farmer** speaks at The Earth Institute.



**Ben Jealous** CC '94, president and CEO of the NAACP, speaks at Columbia College Class Day and has dinner afterward with students.



President **Bill Clinton** speaks on World AIDS Day at a symposium sponsored by Columbia's Mailman School of Public Health.



Playwright, essayist, poet, dissident, and former President of Czechoslovakia **Václav Havel** spends seven weeks on campus as artist-in-residence.



Managing Director of Bank of America Merrill Lynch and one of *Forbes*' "100 Most Powerful Women in the World" **Lisa Carnoy** CC '89, speaks at the annual John Jay Dinner.



**Mercedes De Luca** SEAS '79 alumna, entrepreneur, and former CIO of Yahoo!, speaks at a Society of Women Engineers campus event.



**Ilon Joseph** SEAS '96 and '05, from the Lawrence Livermore National Laboratory and Harry Warren Ph.D. '94 from the Naval Research Laboratory present talks at the Plasma Physics Colloquium.



**James Albaugh** SEAS '74, Civil Engineering, President, Boeing Commercial Airplanes, speaks at Columbia Engineering Class Day.



**Armen A. Avanesians** SEAS '83, partner at Goldman Sachs & Co., speaks at Columbia Engineering Class Day.



Best-selling author of *Awakenings* and renowned neurologist **Oliver Sacks** joins the faculty as a professor at Columbia University Medical Center and a Columbia Artist.



Best-selling novelist **Erica Jong** talks to students about writing as part of Columbia Undergraduate Scholars Program speaker series.



Fashion designer and philanthropist **Kenneth Cole** kicks off the Kenneth Cole Fellows program, where selected Columbia students will take related courses and complete funded summer internships with community-based organizations, businesses, and nonprofits.



Psychologist **Howard Gardner** speaks on "What is Good Work and How Can I Achieve It?" at Columbia Undergraduate Scholars Program speaker series.



Actor and activist **Anna Deavere Smith** presents talk about her new play, *Let Me Down Easy*.



Author **John Irving** reads from *Last Night in Twisted River*, his twelfth novel, signs books and answers student questions.



Former New York Times food critic **Frank Bruni**, "Top Chef Masters" host Kelly Choi, and restaurant entrepreneur Keith Goggin, all Columbia School of Journalism alumni, talk about food journalism.



Writer **Salman Rushdie** speaks about religion and imagination at the inauguration of Columbia's Institute for Religion, Culture and Public Life.



Widely recognized as the "Father of the Internet," **Leonard Kleinrock** lectures on "A Brief History of the Internet and Its Dynamic Future" at Columbia Engineering's Department of Computer Science.



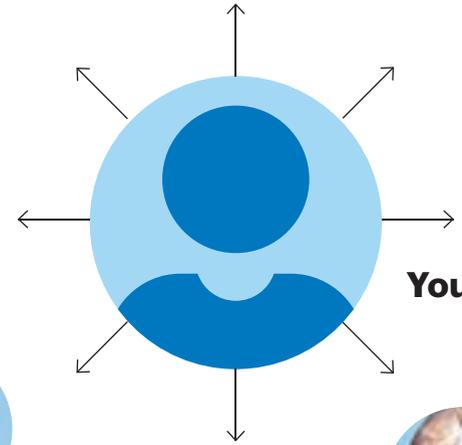
President of MTV Networks International **Robert Bakish** SEAS '85, speaks on "Creativity Commerce and Countries: A GLOCAL Model" at Columbia Engineering.



Technology visionary and investor **David S. Rose**, who *Businessweek* describes as a "world conquering entrepreneur," headlines TEDxColumbia, hosted by Columbia Engineering.



Panel discussing electric cars includes Doherty Senior Scholar in the Lamont-Doherty Earth Observatory and Adjunct Professor of Earth and Environmental Sciences **Roger Anderson** and Line Director for General Motors's Chevy Volt electric car Tony Posawatz; moderated by Kathleen Deveny of *Newsweek* magazine.



# New York City: Your Living Laboratory

The world's city, home to major institutions in innovation, culture, media, science, education, health, politics, finance, and technology. Our New York is a neighborhood, a classroom, a leader, a community, a testing ground, a cultural wonderland, a source of inspiration, a home, a friend, an indispensable resource.

Have lunch with alums at Chelsea Market to learn about their social media and tech incubator.

Explore the five boroughs of NYC on bicycle for your NYC history class.

Help write scripts while interning at MTV in Times Square.

Work with New York City Department of Parks and Recreation to design new playgrounds throughout the city.

Eat the best cannolis in the city at the San Gennaro Festival in Little Italy.

Intern in the global investment research division of Goldman Sachs on Wall Street.

Lead a team designing a green roof for a synagogue in Brooklyn.

Climb to top of the Brooklyn Bridge to test its wires with your Civil Engineering class.

See "Medea" at the Japan Society with your Literature Humanities seminar classmates and professor.

See the New York Philharmonic play at Lincoln Center for Music Humanities and visit the Frick Collection for Art Humanities.

Work with physician scientists to conduct research at the Neurological ICU at Columbia's Medical Center.

Teach math and physics to elementary school students through Columbia's Double Discovery Center.

Attend TEDxColumbia Engineering conference featuring experts in technology and the intersection of other fields.

Conduct research at the Pfizer Plant Research Laboratory at the Botanical Gardens in the Bronx.

Get an internship at the United Nations working with the U.N. Development Programme on energy issues.

Jam with fellow Columbians at Smoke Jazz & Supper Club Lounge on Broadway near campus.

# 8 million

people, an amazing percentage of whom are experts, visionaries, and global leaders

# 40

Broadway theatres

# 1,000s

of restaurants

# 1,700

parks and playgrounds, dozens of neighborhoods

# 150

museums and countless galleries

# 1,000s

of internships offered through the Center for Career Education

# 100s

of service and research NYC-Columbia partnerships

# Every

language, every dream, every possibility

# Columbia as Global

Several dozen campus initiatives bring the world to Columbia. Several hundred study abroad opportunities and research projects take our students and faculty around the globe.

## Here's what makes us global:

- An international student body (over 150 countries represented)
- A cosmopolitan faculty
- Our World Leaders Forum
- Earth Institute
- Global Core requirement
- One of the most comprehensive area-studies programs in the United States
- Study abroad on 5 continents, in regions from Asia to North Africa and the Middle East to the Caribbean and the Pacific Islands, as well as at sea
- Partnerships with communities, governments, and institutions around the world
- Global research for all majors, including hands-on engineering and social entrepreneurship
- We not only bring global leaders to campus, we educate them — graduates who are heads of state, policy makers, and forces for good in countries around the world.

## Columbia University

Columbia gives students a home in the most global city in the world — where the world comes to you and you go to the world.

## Index

### World Leaders Forum

Approximately 20 World Leaders Forum events per year bring remarkable leaders to campus for lively, uninhibited dialogue. A few past participants include Presidents Bill Clinton, Nicolas Sarkozy of France, Vladimir Putin of Russia, Vaclav Klaus of the Czech Republic, and the Dalai Lama.

### Study Abroad

Columbia students can choose from almost 200 programs in over 150 cities around the globe. Approximately one-third of Columbia undergraduates study abroad for a semester or year. This does not include summer programs, fellowships, and global field studies that are part of classes or research projects.

### Countries Represented by Students

With more than 10,000 undergraduate and graduate students from over 153 countries and places of origin, Columbia ranks as one of the top U.S. colleges and universities in international enrollment.

### Global Centers

Columbia has an ever-growing network of research centers located in cities around the world, including Mumbai, India; Paris, France; Beijing, China; and Amman, Jordan. New Centers are opening or have recently opened in Nairobi, Kenya; Santiago, Chile; and Istanbul, Turkey.

# Columbia as the Start of Great Things

Just a few of the Columbians whose time here allowed them to make their mark, make history, and make the world better.

## Academics & Theorists

Jacques Barzun, historian  
Joseph Campbell, scholar of mythology  
John Dewey, philosopher, educator  
Milton Friedman, economist  
Ellen V. Futter, President of the American Museum of Natural History  
Jane Jacobs, urban theorist  
Edward Kasner, mathematician who coined the term 'googol'  
Anthony W. Marx, President & CEO of New York Public Library, former President of Amherst College  
William Schuman, former President of Juilliard School of Music, first President of Lincoln Center  
Judith Shapiro, former President of Barnard College, professor of anthropology  
Howard Zinn, historian

Alan Greenspan, former Chairman of Federal Reserve System  
Judd Gregg, former Senator and Governor  
Eric Holder, Jr., first African-American Attorney General  
Benjamin Jealous, President and CEO of the NAACP  
James Meredith, civil rights movement figure  
Michael Mukasey, former Attorney General  
David Paterson, former Governor of New York  
Paul Robeson, civil and human rights activist, writer  
Faye Wattleton, President of the Center for the Advancement of Women

## Arts & Letters

Isaac Asimov, writer, scientist  
Emanuel Ax, Grammy-winning classical pianist  
Chris Baio, Rostam Batmanglij, Ezra Koenig, Chris Tomson, members of indie rock band Vampire Weekend  
Béla Bartók, composer  
Kathryn Bigelow, film director, first woman to win Best Director Academy Award  
Santiago Calatrava, architect  
Wendy Carlos, composer  
Brian Dennehy, actor  
Peter Farrelly, filmmaker  
James Franco, actor  
Allen Ginsberg, poet  
Maggie Gyllenhaal, Golden Globe-nominated actress  
Oscar Hammerstein II, lyricist  
Lorenz Hart, lyricist  
Utada Hikaru, musician  
Langston Hughes, writer  
Zora Neale Hurston, writer  
Jim Jarmusch, filmmaker  
Jack Kerouac, Beat poet, pioneer  
Alicia Keys, musician  
Tony Kushner, Pulitzer Prize-winning playwright  
Federico García Lorca, poet  
Ursula K. Le Guin, writer  
Terrence McNally, Tony Award-winning playwright  
Sharon Olds, poet  
Richard Rodgers, composer  
J. D. Salinger, writer

## Business & Entrepreneurism

Warren Buffett, investor  
Ursula Burns, Xerox CEO  
William Campbell, Intuit CEO  
Philippe Dauman, Viacom CEO  
James P. Gorman, Morgan Stanley CEO  
John Kluge, entrepreneur  
Kai-Fu Lee, former founding President of Google China  
Randy Lerner, Cleveland Browns owner  
Vikram Pandit, Citigroup CEO  
Robert J. Stevens, Lockheed Martin CEO  
S. Robson Walton, Chairman of Walmart Board of Directors

## Politics & Advocacy

Bella Abzug, Congresswoman, leader of the women's movement  
Madeleine Albright, first female Secretary of State  
Shirley Chisholm, first African-American woman elected to Congress  
Ruth Bader Ginsburg, Supreme Court Justice

Ricardo Scofidio, architect  
Upton Sinclair, writer  
Robert A. M. Stern, architect  
Twyla Tharp, choreographer  
Christine Wang, architect

## Media & Publishing

Daniel Alarcón, writer  
Roone Arledge, Jr., sports broadcasting pioneer, former Chairman of ABC News  
Marcus Brauchli, Executive Editor of *The Washington Post*  
Jamal Dajani, producer  
Joseph Lelyveld, former Executive Editor of *The New York Times*  
Andres Martinez, former Editorial Page Editor of *The Los Angeles Times*  
Janice Min, Editorial Director of *The Hollywood Reporter*; former Editor-in-Chief of *US Weekly*  
Joseph Pulitzer, Publisher  
Claire Shipman, Senior National Correspondent for *Good Morning America*  
George Stephanopoulos, Anchor of *Good Morning America*, former Chief Political Correspondent for ABC News  
Elizabeth Trotta, former NY Bureau Chief of *The Washington Times*, contributor for FOX News  
Alexandra Wallace Creed, Executive Producer of *NBC Nightly News*

## International Leaders

Giuliano Amato, Italy  
Nahas Angula, Namibia  
Hans Blix, U.N. weapons inspector  
Fernando Henrique Cardoso, Brazil  
Gaston Eyskens, Belgium  
José Ramos Horta, East Timor  
Toomas Hendrik Ilves, Estonia  
Wellington Koo, China  
Li Lu, leader of the Tiananmen Square protests of 1989  
Benjamin Mkapa, Tanzania  
Mary Robinson, Ireland  
Mikhail Saakashvili, Georgia  
Pixley ka Isaka Seme, founder of the African National Congress  
Chung Un-chan, South Korea

## Science & Technology

James F. Albaugh, Boeing Commercial Airplanes President and CEO  
Edwin Armstrong, inventor of FM radio  
Richard Axel, Nobel Prize for Medicine  
Amelia Earhart, aviator  
Joseph Engelberger, founder of modern robotics  
Stephen Jay Gould, paleontologist, evolutionary biologist  
Herman Hollerith, founder of IBM  
Gregory H. Johnson, Air Force Colonel (Ret.), NASA astronaut  
Robert Millikan, Nobel physicist  
Michael J. Massimino, engineer and NASA astronaut  
Harvey Seeley Mudd, engineer, founder of Harvey Mudd College  
William Barclay Parsons, chief engineer of the first line of the NYC subway  
Michael Pupin, inventor of the Pupin coil  
Hyman Rickover, inventor of nuclear submarine

## Sports

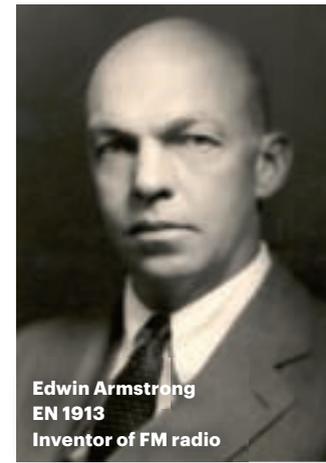
Lou Gehrig, baseball Hall of Famer  
Vitas Gerulaitis, tennis champion  
Sandy Koufax, baseball Hall of Famer  
William Milligan Sloane, founded U.S. Olympic Committee  
Erin Smart, Olympic fencer  
Cristina Teuscher, Olympic gold-medal swimmer  
Marcellus Wiley, former NFL player

## Presidents

Dwight D. Eisenhower  
Barack Obama  
Franklin D. Roosevelt  
Theodore Roosevelt



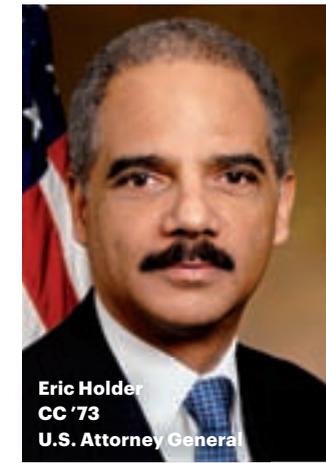
**Tony Kushner**  
CC '78  
Pulitzer-winning playwright



**Edwin Armstrong**  
EN 1913  
Inventor of FM radio



**Janice Min**  
CC '90  
Editorial Director, Hollywood Reporter



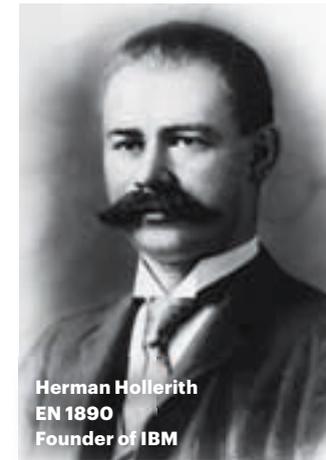
**Eric Holder**  
CC '73  
U.S. Attorney General



**Ruth Bader Ginsburg**  
Law '59  
Supreme Court Justice



**Barack Obama**  
CC '83  
44th President of the United States



**Herman Hollerith**  
EN 1890  
Founder of IBM



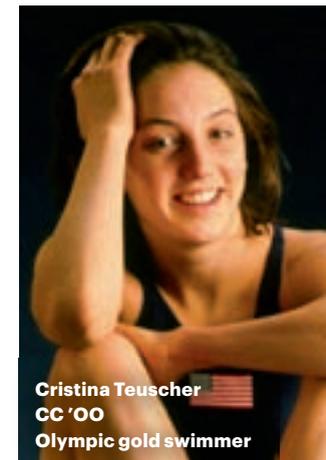
**Maggie Gyllenhaal**  
CC '98  
Oscar nominee



**Michael Massimino**  
EN 1984  
Shuttle astronaut



**Rodgers CC '23 and Hammerstein CC '16**  
Composer and lyricist



**Cristina Teuscher**  
CC '00  
Olympic gold swimmer



**Toomas Hendrik Ilves**  
CC '72  
President of Estonia

**5**  
Founding Fathers of the United States

**34**  
Presidents and Prime Ministers

**9**  
Supreme Court Justices

**93**  
Pulitzer Prize Winners

3

Columbia Days



The Pulitzer Prize-winning novelist and Columbia alum Herman Wouk once said Columbia is a place of “doubled magic,” where “the best things of all human history and thought [are] inside the rectangle” on the Columbia campus and “the best things of the moment [are] outside the rectangle of Columbia” in the City of New York. **Students here experience that doubled magic on a daily basis.** On the next few pages, some of them share highlights from a day in their lives on campus and in the city.



Students flock to the Low Plaza steps — to sunbathe, socialize, and study — making it, in the words of a leading architect, a true “urban beach.”



Our students are part of an unparalleled mix of Ivy League university and world-class city. Clockwise:

- **Mike Linshi**  
An Industrial Engineering major from Illinois who recently started his day at the local Farmer’s Market and spent the evening designing a temporary pop-up space for an art society in Midtown Manhattan.
- **Sarah Steele**  
An English major from Pennsylvania who is also a film and television actress recently arranged the press junket she was doing for a movie so she wouldn’t miss her favorite literature class.
- **Jonathan Ricketts**  
A Mechanical Engineering major from New Jersey who does lab work on supersonic flow in the morning and heads to his internship at Atlantic Records in the afternoon.
- **Donia Abdelaziz**  
An Economics major from Egypt, her day recently started with a class on global economics and ended with one on ethnography, with a *Vogue* internship in between.



Mike Linshi



Sarah Steele



Donia Abdelaziz



Jonathan Ricketts

# Time to Discover Amanda Olivo

Hometown: Garden City, NY  
Columbia College  
Major: Biochemistry



**9:00 am**  
Wake up and head to **Dodge Fitness Center** for a workout.



**Noon**  
Grab a sandwich with my lab mate Corey at Milano Deli on 113th Street before meeting. (Hands down best sandwiches in the area).

**1:00 pm**  
Ribosome team weekly meeting with Professor Virginia Cornish and Professor **Ruben Gonzalez** for an update on the project.

**2:40 pm**  
Molecular Biology with Professor Ron Prywes; excited to finally be covering the translational machinery in class.

**4:00 pm**  
Off to the **MoMA** to see the new Tim Burton exhibit with a friend.



**10:00 pm**  
Quick cookie and tea break with suitemates.

**10:30 pm**  
Reading Descartes' *Meditations on First Philosophy* for paper I'm working on.

**11:00 am**  
Next stop: Cornish lab in the **Northwest Corner Building** to check data from previous day's experiment on D-amino acid tRNA pairing effects in the ribosome. Progressing on an independent project started last summer in preparation for first author publication.



**6:00 pm**  
Time for a class called "Ignorance," with Professor Stuart Firestein, Chair of the Department of Biology. (It's anything but: He invites professors to speak on ideas they wonder about and question in their own fields.) Guest lecturer this week is Professor **Eitan Grinspun** of Columbia's Department of Computer Science, who talks about his Hollywood animation work. He provided some breakthrough techniques for Disney on *Tangled*.



**9:00 pm**  
**Columbia Community Outreach** meeting to plan the university's largest annual day of service (approximately 1,000 volunteers). I am the co-coordinator.



# Daily Drive

## Matt Poss

Hometown: Lawrenceville, NJ  
 Columbia Engineering  
 Major: Mechanical Engineering



**9:00 am**

Art Humanities. This weekend we are going to the **Met** to look at Renaissance and 19th century European paintings. I don't know how many times I've been to the Met, but I still seem to find new rooms and exhibits.



**2:30 pm**

Meet with public relations teams from Columbia and Chevrolet for a campus walkthrough. Chevrolet is bringing the Volt to campus and wants to do an event with **Knickerbocker Motorsports** and some of its engineers. (Knickerbocker is Columbia's Society of Automotive Engineers. I'm serving as president this year.)

**4:00 pm**

Mechatronics: Embedded Microsystems. Our last case study was to make a steel ball magnetically levitate. This week we are working on controlling the temperature of an electromechanical system with a microcomputer.



**11:00 pm**

Off to **Butler Library** to work on problem sets and papers.



**8:30 am**

Head to **Ferris Booth** in **Lerner Hall** for the breakfast buffet. Every good day starts with the breakfast buffet.

**Noon**

Physical Education. I bike up to **Fort Tryon Park** at the northern tip of Manhattan. The view of the Palisades and the city from the old fort is unbeatable.



**7:00 pm**

Head to the **Boat Basin Café** to meet up with some Phi Gamma Delta alumni for dinner. We were able to get seats overlooking the Hudson River and watched the sun set as we discussed jobs, school and life.

**9:00 pm**

Meeting with my **Senior Design group**. We are working on an automatic shifting mechanism for a bicycle. Today we focused on adding data-logging functionality to the system so that power output and other ride parameters could be recorded throughout the ride.





## Math, Measurements, & Motion

### Eric Schwartz

*Hometown: Milwaukee, WI  
Columbia Engineering  
Major: Applied Mathematics*

**1:10 pm**  
University Writing: Workshop our lens essays in groups. Mine is about ballet and Newton's laws of motion. My friends are writing theirs about Franklin Delano Roosevelt and Lady Gaga.

**5:30 pm**  
Hear **Sig Gissler**, administrator of the Pulitzer Prizes, lecture on the prizes' history and the selection process over the years.



**9:10 am**  
Intro to Computational Math and Physics: We discuss Fourier transforms and their role in JPEG encoding.

**10:30 am**  
Head to **CEPSR** (Schapiro Center) to spend a few hours taking measurements using single photon avalanche diodes and a high-powered laser in Professor Ken Shepard's lab. I'm an undergraduate assistant to the research group.

**7:00 pm**  
Downtown to a production of *How to Succeed in Business Without Really Trying* starring Daniel Radcliffe that I won tickets to in **Columbia's Urban NY** lottery.

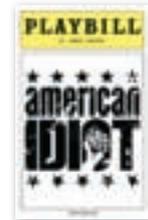


## Afternoon and Evening Acts

### Emily Nagel

*Hometown: Ridley Park, PA  
Columbia College  
Major: English and Drama and Theater Arts*

**5:00 pm**  
Pop by the TIC to pick up my ticket for Columbia night at **American Idiot on Broadway**, including talkback with Michael Mayer, Billy Joe Armstrong, and Tom Kitt!



**11:30 pm**  
Curl up with my copy of *Ulysses* and finish my reading for tomorrow's class.

**Noon**  
Drop by my adviser's office to talk about proposing my thesis.

**1:00 pm**  
Hop the train to Brooklyn for my internship at **TADA!** I assist in staging a musical written and performed by first through fifth graders. Today we're teaching the choreography to *Little Shop of Horrors*.

**7:55 pm**  
Arrive at rehearsal for **The Varsity Show**. We're doing a song about the new **Ferris Booth Commons** dining hall, but don't tell anyone! *The Varsity Show* has a century-plus tradition of secrecy!

**10:00 pm**  
Time for my Resident Adviser meeting to plan the next social event.



Times Square, a.k.a. New York's famous Theater District cuts a swath through Midtown Manhattan between Sixth and Eighth Avenues from east to west, and West 40th and West 53rd

Streets from south to north. A bonus benefit of being a Columbia student is free and hugely discounted tickets, as low as \$5, to major Broadway shows.



An urban wonder and historic treasure just a few blocks from campus — Central Park is 843 acres and 2.5 miles of paths for strolling, running, and biking, as well as gardens, green lawns, and playing fields; and home to Shakespeare in the Park and its very own zoo.



## Educational Change One Day at a Time Terrell Winder

*Hometown: Baltimore, MD  
Columbia College  
Major: Ethnicity and Race Studies*



**3:00 pm**  
Meet with my mentor, Professor **Marc Lamont Hill**, who, in addition to being a Columbia professor, scholar, and activist, hosts the nationally syndicated television show *Our World with Black Enterprise*.

**8:00 am**  
Prepare for student teaching with my sixth grade class at **P.S. 333**. My research interests are very tied to education so I'm hoping that my certification helps me to be a more effective graduate researcher.

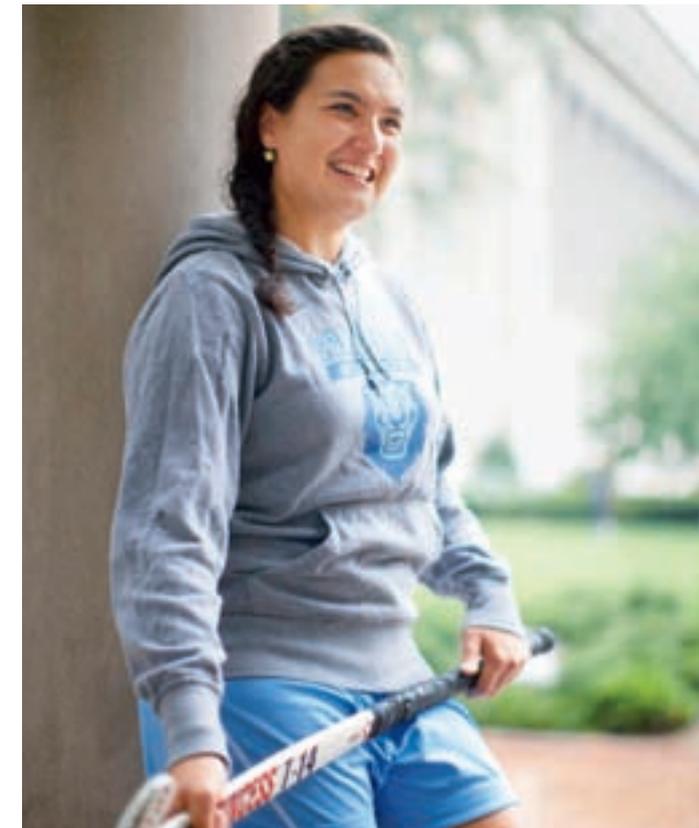
**9:00 am**  
Teach lesson on using powerful figurative language for poetry writing unit.

**11:00 am**  
Head to work study job with the Office of Multicultural Affairs.

**1:00 pm**  
To the **Intercultural Resource Center**, where I live, to catch up with friends.

**4:15 pm**  
**Comparative Ethnic Studies** Senior Thesis Seminar.

**6:00 pm**  
Dinner at **Ferris Booth** with friends followed by Notes and Keys (co-ed a cappella group) rehearsal.



## A Few Highlights, Instant Replay Desiree Scherf

*Hometown: Sao Paulo, Brazil;  
now Cologne, Germany  
Columbia College  
Major: Economics and Political Science*



**6:30 pm**  
Grab a quick dinner with grad student friend from Australia. I met him and a lot of other internationals playing in the **New York field hockey league** during the off-season. These friendships with people from all over are what I love about living in the city.

**11:00 am**  
Colloquium on Major Texts of East Asia. Today's reading was the incredibly popular Buddhist inspired tale of "Monkey" and his two companions.

**1:00 pm**  
Campus job at **Dodge** with the athletics events team staff, where we prepare the basketball arena for that night's game. It's a great job, because you often get paid to watch a game that you would like to see anyways!

**4:10 pm**  
Political Science Seminar on Varieties of Capitalism. So cool to trace back the cultural and behavioral differences between my home country of Germany and the U.S.

**9:00 pm**  
Arrive at Butler, buy myself a chai latte at **Café 22**, walk to reading room (these high ceilings never get old!) and find the familiar faces of friends all sitting together.

# An Engineer's Masterly Plan

## Mary Byers

Hometown: Beaverton, OR  
 Columbia Engineering  
 Major: Operations Research

**1:00 pm**

After CC class, head to the world-famous waffle truck Wafels and Dinges, which is parked on 113th and Broadway almost every Monday. Enjoy a bacon and syrup waffle and lounge with my best friend on **the steps of Low Library** while talking about what upcoming concerts we want to see in the city.



**6:10 pm**

Go to my Intro to Accounting and Finance class, where we learn about the causes and implications of the financial crisis of 2008.

**10:45 pm**

Head back to my suite in **Hartley Hall**, where fresh brownies are waiting for me. (One of my suitemates LOVES to bake!)

**10:08 am**

Wake up and shower... take my time getting ready for class over my morning cup of coffee.



**2:00 pm**

Have a quick meeting with my career counselor in the Center for Career Education. This summer I'm participating in the **Columbia Experience Overseas program** and will be interning in Singapore. We talk about what to expect and make sure that my passport and visa are all in place.

**5:30 pm**

Back up to campus, grab a quick dinner at **Ferris Booth** before my next class.

**11:00 pm**

Work on a problem set for Probability and Statistics.



**11:00 am**

Head to **Hamilton** for Contemporary Civilizations. We have a very interesting discussion about contemporary revolutions in relation to the readings we did by Robespierre about the French revolution.



**3:15-5 pm**

I intern in SoHo at a start-up consulting firm, working on projects with a division of **the United Nations**. The best part about SoHo is people watching!

**9:00 pm**

At the **Bacchanal meeting**, the club that hosts the big campus-wide concert in the springtime, we discuss the artist we want to bring to campus this year. In the past we've had **Kanye West**, **Vampire Weekend**, and **Of Montreal** playing right on the **steps of Low Library**. Epic.



**9:30 pm**

Run to the **Engineering Student Council meeting**. I am the president of the Council this year. During tonight's meeting we pass a resolution about dining halls on campus.

**12:00 am**

Study break/Skype date with Mom (It's only 9:00pm at home in Oregon).





## Around the World In a Few Hours Destiny Sullens

*Hometown: Idabel, OK  
Columbia College  
Major: Middle Eastern and  
Asian Languages and Cultures*

**6:00 pm**  
Run to my Music Humanities class in Dodge. This week we are focusing on Handel's *Messiah*. My professor is hilarious and entertaining in the way she makes Music Humanities fun and interesting for everyone in the class.



**11:00 am**  
Attend my History of the U.S.-Mexican Border class, where we discuss how the horse impacted the Comanche empire and its influence along the border.

**4:00 pm**  
I walk to Joseph Massad's senior seminar class, Culture in the Modern Arab World. Today we discuss the music of Umm Kulthum and her legendary status throughout the Arab world while also considering the role music played in recent political events in Egypt.

**9:00 pm**  
Attend a **Native American Council** meeting to discuss plans for the annual Columbia Pow Wow.



## From Premed to Piano Sonatas Yoshiaki Ko

*Hometown: Yokohama,  
Japan/San Francisco, CA  
Columbia College  
Major: Neuroscience &  
Behavior*

**3:15 pm**  
Back at Columbia, meet with my adviser to discuss how best to fulfill my premed requirements.

**7:45 pm**  
Get started on assignments: read Montaigne's *Essays*, brainstorm experiment proposals.



**9:10 am**  
Head to first class, Behavioral Neuroscience. Psychopharmacology is the topic of the day.

**12:30 pm**  
Take the 1 Train down to **Juilliard**. At my lesson, discuss the interpretation of Beethoven's *Piano Sonata, op. 110*, with Professor Jerome Lowenthal.

**11:00 pm**  
Stomach rumbling, convince a friend to accompany me on a **Strokos** run. After sandwiches in the **John Jay** lounge, fooling around on the piano leads to an impromptu chamber music session, where our attempts at sight-reading a Brandenburg Concerto end in amusement for all. Sleep can wait.



A quick subway ride from campus is Lincoln Center, the world's leading performing arts center and home to a dozen world renowned groups, schools, and organizations: The Chamber Music Society of Lincoln

Center, the Film Society of Lincoln Center, Jazz at Lincoln Center, The Juilliard School, Lincoln Center Theater, The Metropolitan Opera, New York City Ballet, New York City Opera, New York Philharmonic,

The New York Public Library for the Performing Arts, and The School of American Ballet. It's commonplace for Core professors to incorporate class trips to relevant Lincoln Center performances into their seminars.

# Editor's Agenda

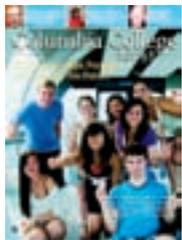
## Colin Sullivan

Hometown: Greenwich, CT  
 Columbia College  
 Major: Political Science

**12:30 pm**  
 Return to campus and get lunch with my friend Akhil, a Financial Engineering major. We reminisce about the summer we spent together in **Scotland** as part of an internship program through Columbia's **Center for Career Education**.



**4:00 pm**  
 Stop by **Hamilton Hall** to photograph the Chair of the first-year Core class Literature Humanities, as part of a story for the magazine **Columbia College Today**.



**5:30 pm**  
 Go to the Rotunda in **Low Library** for a lecture event with former Treasury Secretary. I was invited to attend the lecture through Professor Sunil Gulati's Global Economy class that I took last spring.

**7:00 pm**  
 Grab a quick dinner at Chipotle with the Art Director for *Spectator's* weekly magazine **The Eye**.



**9:00 pm**  
 Hold my weekly staff meeting at *Spectator* where we continue planning for *Spectator's* upcoming fundraising dinner featuring **Arianna Huffington** of *The Huffington Post* as our guest speaker.

**10:00 am**  
 Wake up and shower. Finish a discussion post for my Urban Studies seminar the following day.



**11:00 am**  
 Visit **The New York Times building**, where the 134th Managing Board of *The Columbia Daily Spectator* enjoyed a personal tour of the offices and newsroom. Many alumni of our campus newspaper work for *The Times*, *The Wall Street Journal*, and other major outlets.



**6:30 pm**  
 Stop by **Lerner Hall**, the campus student center, to print out class readings and to pick up a package I ordered, consisting of a hiking pack for my upcoming spring break trip to Panama with my floormates.



**10:00 pm**  
 Return to my floor where I relax with my friends. Relaxation (which usually means procrastination) often occurs in the form of playing golf (we actually bought an artificial putting green) and having a dart-throwing competition in one of our rooms.



**2:10 pm**  
 Attend my Political Science senior Seminar called **Community Organizing**. My professor, Dorian Warren, leads a conversation about power and its role in American politics, especially concerning inequality, marginalized groups, and labor organization.

**7:30 pm**  
 Attend a **Columbia College Young Alumni** meeting as the senior representative to the committee's executive board. We discuss fun events in the city and networking sessions for seniors and recent graduates.



# 4

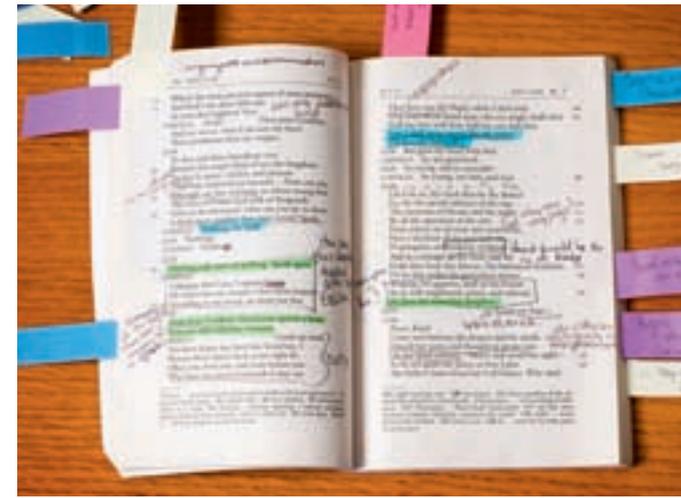
## Common Core, Uncommon Education



Columbia University's Core is the nation's oldest and most renowned Core program and defines our graduates. All undergraduates participate in either the Columbia College Core or the Engineering Core. **Ask Columbians about the value of their Columbia education and the Core is likely the first thing they will mention. They will tell you how the Core has given them an exceptional advantage at every turn.**



The Core is taught by leading scholars in all disciplines across the university. Here, Latin American historian and Professor Caterina Pizzigoni leads a discussion in her Contemporary Civilization class.



Dog-eared, flagged, and highlighted — you'll read the books and study the art, music, societies, and scientific discoveries that define human history as much as they shape the world today.



A few of the authors, ideas, and texts that will become part of what you know through the Core. Niccolò Machiavelli, *The Prince*; Jean-Jacques Rousseau, *The Basic Political Writings*; Adam Smith, *Wealth of Nations*; Simone de Beauvoir, *The Second Sex*; David Hume, *An Enquiry Concerning Human Understanding*; Immanuel Kant, *Grounding for the Metaphysics of Morals*; Mary Wollstonecraft, *A Vindication of the Rights of Woman*;

Alexis de Tocqueville, *Democracy in America*; Voltaire, *Candide*; Charles Darwin, *On the Origin of Species* and *The Descent of Man*; Friedrich Nietzsche, *On the Genealogy of Morals* and *Ecce Homo*; W. E. B. Du Bois, *The Souls of Black Folk*; Virginia Woolf, *Three Guineas*; Homer, *The Iliad*; Euripides, *Medea*; Virgil, *Aeneid*; Dostoevsky, *Crime and Punishment*; Dante, *Divine Comedy*.

## Here's what makes the program unique.

### Interdisciplinary & Innovative

The Core began with a single course called Contemporary Civilization that is still a cornerstone of the program. Today the Core also includes Frontiers of Science, Literature, Art, and Music Humanities, University Writing, and Global Core and language requirements. Immersing students in multiple disciplines so they can **make connections across the world of ideas is a key part of the Core's power.** The Core prepares students to engage their majors with a capacity to think within and beyond a specific discipline, providing them with a breadth of knowledge that promotes innovative thinking.

### Challenge & Community

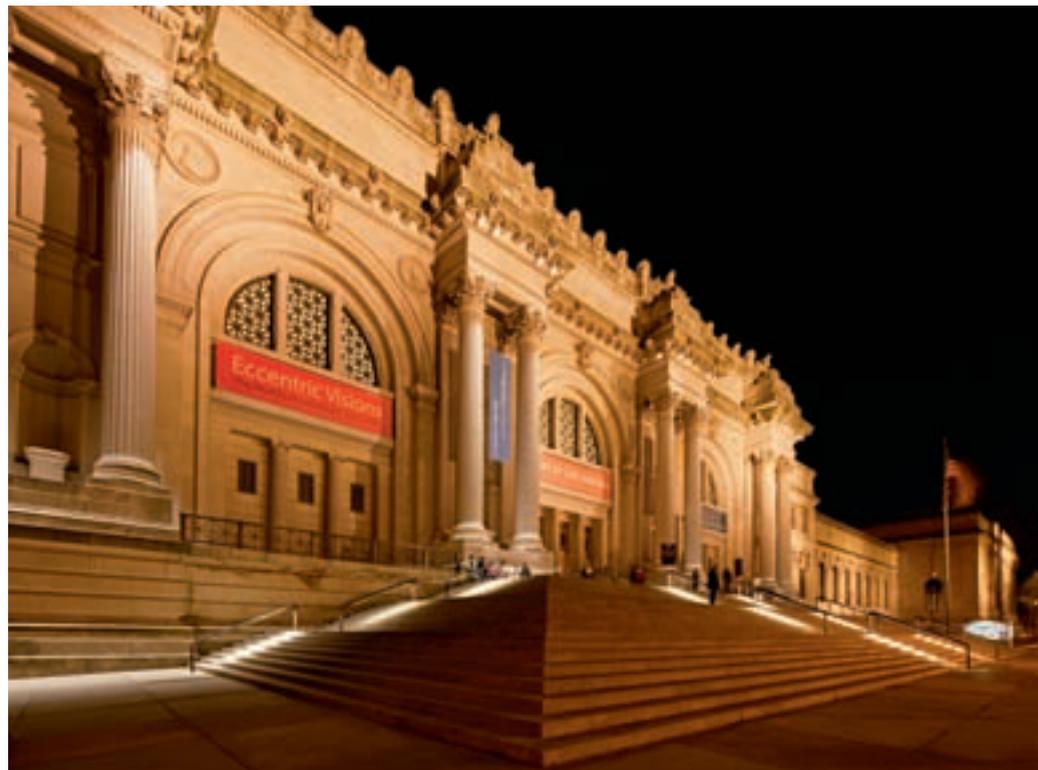
Rather than general education requirements, you take a single set of courses in small, discussion-based seminars. All students encounter the same texts and issues at the same time so **the critical dialogue takes place not only in the classroom but all over campus. Students challenge their thinking and deepen their insights together at every turn.** The Core becomes a common base of knowledge that allows for greater depth of discussion in all classes throughout a student's four years.

### Timeless & Defining

The habits of mind developed in the Core cultivate a critical and creative intellectual capacity that graduates call on long after college, in the pursuit and the fulfillment of meaningful lives. Whether you meet a graduate from last year or fifty years ago, he or she will have wrestled with many of the same enduring books and themes — the same ideas next year's first-year Columbians will tackle. For almost 100 years, **the Core's purpose has been to build a timeless basis for intellectual flexibility and confidence that defines every Columbia graduate.**

### Foundation & Freedom

Students who are drawn to Columbia have an interdisciplinary way of approaching their entire lives. They find **the Core an incredible intellectual foundation** but it also exposes them to different fields, varying points of view, and disparate visions, freeing them from intellectual silos. They get to forge their own paths and make the impact they want.



The Metropolitan Museum of Art, founded in 1870, borders Central Park along Fifth Avenue between 80th to 84th Streets. Its collections include more than two million works of art spanning five thousand years of world culture, from prehistory to the present and from every part of the globe. The Met is another example of the way Columbia's resources extend to the city. Core papers, studies, and discussions frequently focus on original artists' works that can be explored in the Met. Students also have opportunities to intern with the museum.

# A Few Core Books



## Columbia College Core Curriculum

Through a variety of disciplines, the Core asks students to grapple with radically different ways of looking at the world, exploring into enduring themes such as virtue, justice, suffering, evil, friendship, family, loss, guilt, pride, loyalty, storytelling, power, representation, time, space, gender, and sexuality in works by authors as varied as Homer, Jane Austen, Frederick Douglass, and Fyodor Dostoevsky.

Literature Humanities  
University Writing  
Frontiers of Science  
Contemporary Civilization

Art Humanities  
Music Humanities  
Science Requirement  
Global Core Requirement

Foreign Language  
Requirement  
Physical Education

### Hannah Perls

Weston, MA  
Earth and Environmental Science  
“I think sometimes people don’t understand that even though the Core is a specific set of courses, **it enhances the freedom you have to try out different areas.** I have friends who wanted to be English or history majors who became science majors after taking Frontiers of Science. I have another friend who thought she wanted premed but now she’s a philosophy major because she took Literature Humanities and Contemporary Civilization. The Core fosters a lot of different sparks.”

### Alex Moll

New Orleans, LA  
Math  
“I knew I wanted to major in math and physics when I came here. I was very excited about the Core alongside the ability to do a very serious science major. **I was really into the idea of this thought-out way of becoming well-rounded** instead of just me randomly choosing classes.”

### Joe Piscina

Pelham, NY  
Political Science  
“It’s not a uniform experience where everyone learns to think exactly alike. **You’re expected to be an individual, to have your own ideas, your own questions.**”

### Anna Rose Bianco

New York City, NY  
English  
“Our professor always says, ‘There is no one right answer.’ And then **he asks questions to which you desperately want to know the answer.** So we spend a lot of time in class — and out of class — helping each other. He’s adamant about not indoctrinating us, so he helps us develop our own theories.”



Regardless of their major our students can study the arts through the Core as well as take abundant courses in the visual arts, music, theatre, film and dance. In a city known for its arts and culture, the arts are also a significant part of extracurricular life.

### Melissa Hernandez

Aurora, IL  
Film Studies  
“You’re talking about essential texts and groundbreaking ideas. When you’ve got this kind of diversity, you’ll always get into debates; you’ll always see things from different perspectives, especially when you’re part of a community where **everyone is capable of saying something that will blow your mind.**”

### David Chait

Edison, NJ  
Economics and Political Science  
“The Core is one of the reasons I applied to Columbia. I’m taking courses outside my major — in art and music, literature and philosophy and science — and that helps me think in more complicated ways about my major. I’m not the person I was when I started the Core. **I’ve changed the way I think, the way I write, the way I see the world.** And I did it on my terms.”

# The Core + So Much More One First-Year Student’s Schedule

Core classes make up approximately one-third of your schedule at Columbia, leaving time each year — even your first — to explore other areas or start coursework in your desired major.

	Sun 25	Mon 26	Tue 27	Wed 28	Thu 29	Fri 30	Sat 1
8 am							
9 am		9:10 am Emerging Cities in the 19th Century: Urban History of the Americas and Europe	9 am Work at the Office of Global Programs	9:10 am Emerging Cities in the 19th Century: Urban History of the Americas and Europe			
10 am							
11 am		11 am Frontiers of Science Lecture			11 am Discussion: America Since 1945		
Noon					Noon Work at the Office of Global Programs		
1 pm							
2 pm			2:10 pm Literature Humanities		2:10 pm Literature Humanities		
3 pm		2:40 pm America Since 1945		2:40 pm America Since 1945			
4 pm				4:10 pm Discussion: Frontiers of Science Lecture			
5 pm							
6 pm		6:10 pm Science of Psychology		6:10 pm Science of Psychology			
7 pm							
8 pm							

### Nathalie Barton

Hometown: Charlottesville, VA  
Columbia College  
Major: History and Political Science

● Courses (Core)  
● Courses (Elective)  
● Internship

## Columbia Engineering Core Curriculum

The Engineering Core includes roughly half the Columbia College Core classes, science and math courses, a first-year, hands-on design course and professional level courses.

**The Art of Engineering: First-Year Design Course**  
**Chemistry**  
**Computer Science**  
**Economics**

**Calculus**  
**Physics**  
**Literature Humanities,**  
**Contemporary Civilization, or**  
**Global Core**

**Art Humanities or Music Humanities**  
**University Writing**  
**Physical Education**  
**Professional-Level Course**

### Min Yeoh

*Singapore*  
*Industrial Engineering and Operations Research*  
 “Most engineers just don’t have the opportunity to debate these really important topics like what is justice? What does personal happiness mean? You have to defend your ideas to your classmates, who may have interpreted the text in ways completely different than you did. **You learn how to understand where they’re coming from**, so you really diversify the way you think about things. Then you can apply that to your engineering. I feel like I’m leaps and bounds ahead of other engineers because of the Core.”

### Diogo Izidoro

*Bellerose, NY*  
*Mechanical Engineering*  
 “The First-Year Design Course that’s part of the Core is why I really fell in love with Columbia engineering. The concept of the class is perfect — **a hands-on engineering design experience that is pretty much unparalleled.**” (An introduction to all nine engineering departments through real, hands-on examples from each department focused on the world’s most pressing concerns — sustainable energy, poverty, security, health. Projects are applicable to students’ majors and can lead to senior design projects.)

### Megan Armstrong

*Ann Arbor, MI*  
*Biomedical Engineering*  
 “I think the Core is such a great way to incorporate Columbia College and Columbia Engineering students right off the bat. I’m taking University Writing right now. I am improving my writing, which is so important **because especially nowadays, engineers need to know how to write.**” I’m also in a classroom with students who aren’t just in engineering but are majoring in politics and languages and dance and art. You see all these different ideas butting up against each other. I just think it’s awesome.”

### Mike Strickland

*Cincinnati, OH*  
*Civil Engineering and Minor in Architecture*  
 “I’ve talked to people at companies in the field. **They want to hire people who are more than just robots.** They want people who can see the big picture, who can do the high-level technical work and put it in a broader context. A Columbia education is built for that kind of person.”

### John Chavez

*Fulshear, TX*  
*Biomedical Engineering*  
 “In the Engineering Core we really get to pick our passions. So for example, I can choose between taking Music Humanities or Art Humanities. Personally, I am really passionate about art so I can take Art Humanities versus Music Humanities **... you really can guide yourself in the directions you want to go.**”



A cornerstone of the Columbia Engineering Core is the first-year design course — Art of Engineering. Projects in every discipline immerse student teams in top labs and the city. Write new

firmware to hack an HP 20b calculator. Develop a vital signs monitor. Design and operate the “Smart Grid.” Use applied physics and math to explore electric guitar design. Combine

computer engineering, chemical engineering and economics to develop renewable energy sources for automobiles. “Build” New York City in Civil Engineering.

## Engineering Core + So Much More One First-Year Student’s Schedule

Engineering and liberal arts core classes make up approximately half of your schedule over your four years at Columbia, leaving time each year — even your first — to explore electives, minor in a liberal arts area or start coursework in your desired major.

	Sun 25	Mon 26	Tue 27	Wed 28	Thu 29	Fri 30	Sat 1
8 am							
9 am			9:10 am History of the Modern Middle East		9:10 am History of the Modern Middle East		
10 am							
11 am		11 am Calculus IV	10:35 am Physics II: Thermodynamics, Electricity and Magnetism	11 am Calculus IV	10:35 am Physics II: Thermodynamics, Electricity and Magnetism	11 am The Art of Engineering: First-Year Design Course	
Noon							
1 pm		1 pm The Art of Engineering: First-Year Design Course	1:10 pm Introduction to Applied Mathematics		1:10 pm Introduction to Applied Mathematics		
2 pm							
3 pm			2:30 pm Work in Columbia Laboratory for Unconventional Electronics Lab		2:30 pm Work in Columbia Laboratory for Unconventional Electronics Lab		
4 pm							
5 pm				5:10 pm Discussion: History of the Modern Middle East			
6 pm							
7 pm							
8 pm							

### Allison Duh

*Hometown: Potomac, MD*  
*Columbia Engineering*  
*Major: Electrical Engineering*

- Courses (Columbia College Core)
- Courses (Columbia Engineering Core)
- Research Project

5

Giants  
Among Us



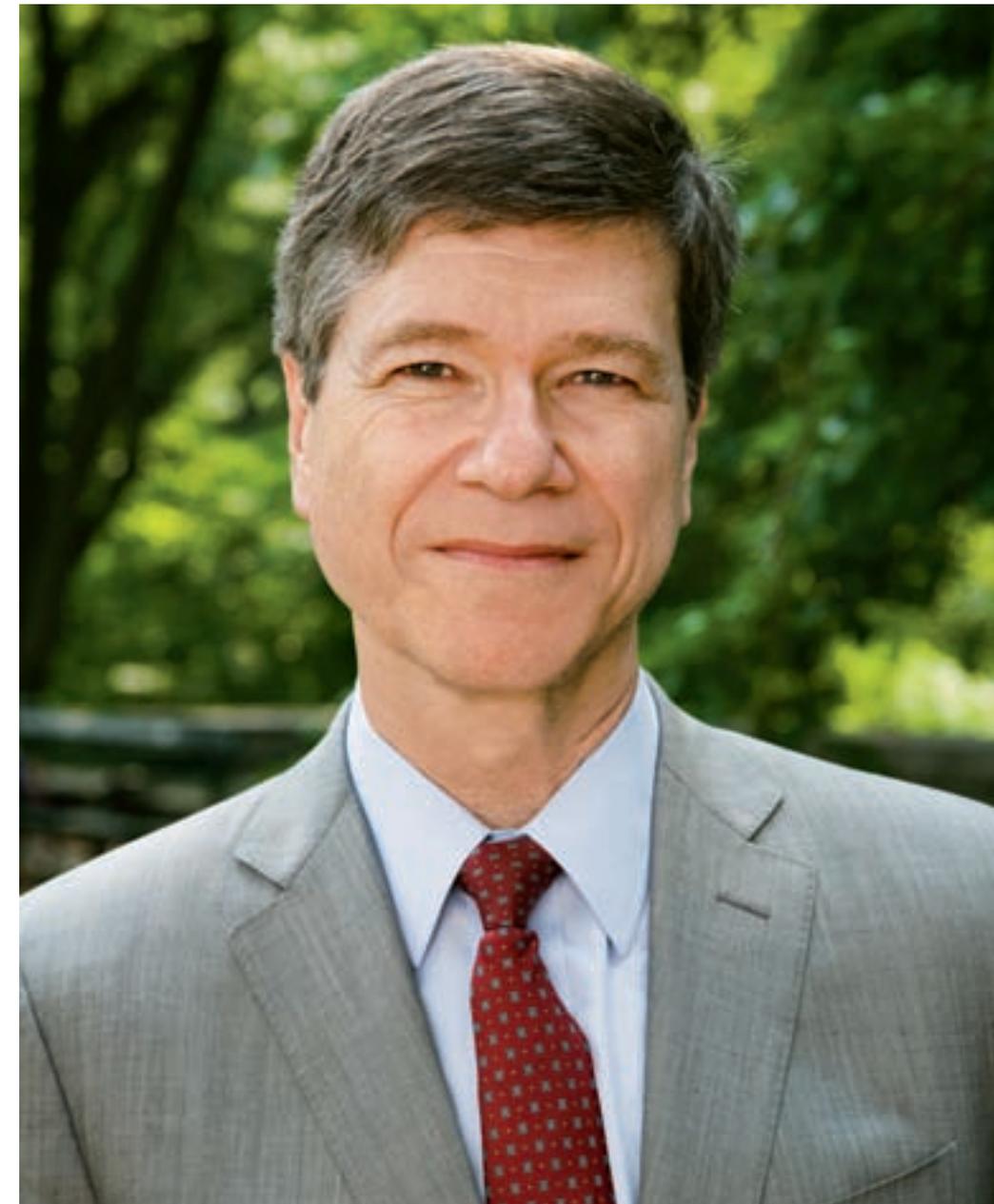
At Columbia you're part of knowledge in the making — yours and the world's. **The beauty of being on this campus is that today's thought leaders, genius innovators, and literary lions want to teach.** These giants in their fields, who keep open office hours and teach and mentor undergraduates, have a way of inspiring their students to take their own giant steps.



Pulitzer Prize-winning historian and alumnus Eric Foner CC '63, Ph.D. '69, DeWitt Clinton Professor of History, teaches *The Radical Tradition in America*, *The US in the Era of Slavery and Jacksonian Democracy*, *The US in the Era of Civil War and Reconstruction*, *Slavery and Emancipation*, *Senior Seminar in History*, *The Literature of American History*, and *Colloquium on the Civil War and Reconstruction*.



Faculty in all disciplines teach on the Morningside Heights campus. Nearly all Columbia courses have fewer than 20 students and are taught by professors rather than teaching assistants. A great rapport can be struck between students and teachers who get to know their students well. Those connections often last throughout the undergraduate years and well beyond.



### **Jeffrey Sachs**

*Director of The Earth Institute; Quetelet Professor of Sustainable Development, Professor of Health Policy and Management*

#### **Undergraduate Course** Sustainable Development

Professor Sachs is the Director of The Earth Institute, Quetelet Professor of Sustainable Development, and Professor of Health Policy and Management at Columbia University. He is Special Advisor to United Nations Secretary-General Ban Ki-moon. From 2002 to 2006, he was Director of the UN Millennium Project and Special Advisor to United Nations Secretary-General Kofi Annan on the Millennium Development Goals. Sachs is also President and Co-Founder of Millennium Promise Alliance.

**“Columbia faculty and researchers lead the most cutting-edge ventures in environmental and sustainable development and our students are integral to this work.”**



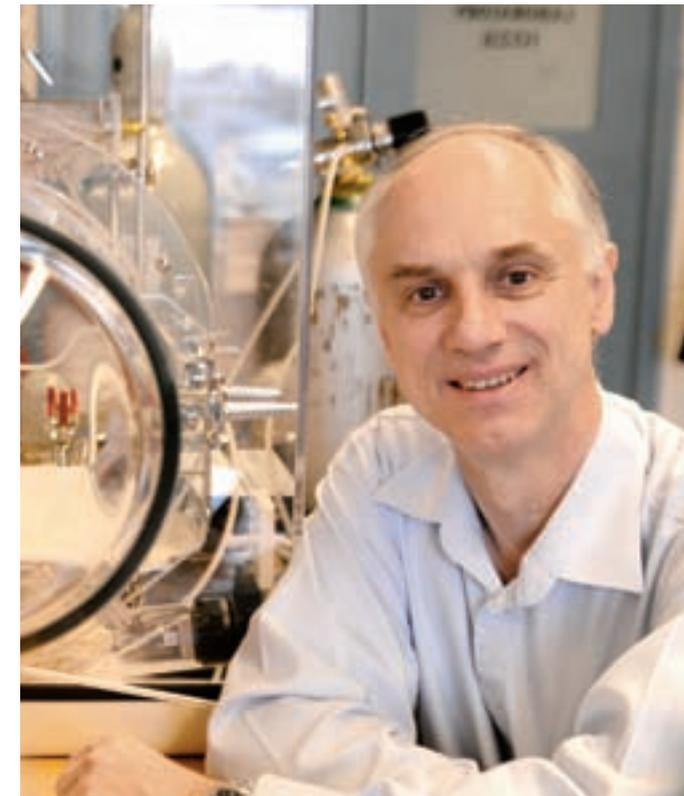
**Farah Griffin**

*Professor of English and Comparative Literature and African-American Studies; Former Director of the Institute for Research in African-American Studies*

**Undergraduate Courses**

Literature Humanities (Core); African-American Literature Survey I and II; Remapping the Black South; Recent undergraduate adviser for thesis titled “Nonwhite Women as Transformational Agents in Disney Animated Films.”

The author of several books, Professor Griffin writes and speaks extensively on American and African-American literature, music, history, and politics.



**Klaus Lackner**

*Chair of the Earth and Environmental Engineering Department; Ewing and J. Lamar Worzel Professor of Geophysics, Earth and Environmental Engineering; Director of Lenfest Center for Sustainable Energy, The Earth Institute*

**Undergraduate Courses**

Alternative Energy Resources; Energy, Minerals, and Material Systems

Professor Lackner is developing a revolutionary device — modeled on tree leaves — that reduces carbon dioxide in the air. He is a pioneer on the clean use of fossil fuels and other solutions to climate change.

**“It is great to work with undergraduates because they can look at new ideas without preconceived notions. They can challenge you, and force you to get things right because you really have to explain it well, and can’t resort to shortcuts.”**



**Sunil Gulati**

*Lecturer Department of Economics*

**Undergraduate Courses**

Global Economy; Principles of Economics; Sports Economics

Professor Gulati, a popular lecturer in the field of international economics, is the president of the U.S. Soccer Federation, and has been instrumental in developing the world’s biggest game in the United States.

**“I get to believe in and live the fountain of youth 28 times every semester. Seeing the world as we saw it when we were in college is a fantasy for most people. Being a faculty member at a place like Columbia allows me to live that fantasy every day.”**

**“I love working with undergraduates — helping them discover their talents and capacity for intellectual growth. I love sharing my enthusiasm about the study of literature and music with them. I learn so much from my students. It enhances my own reading, research, and writing.”**



**James Schamus**

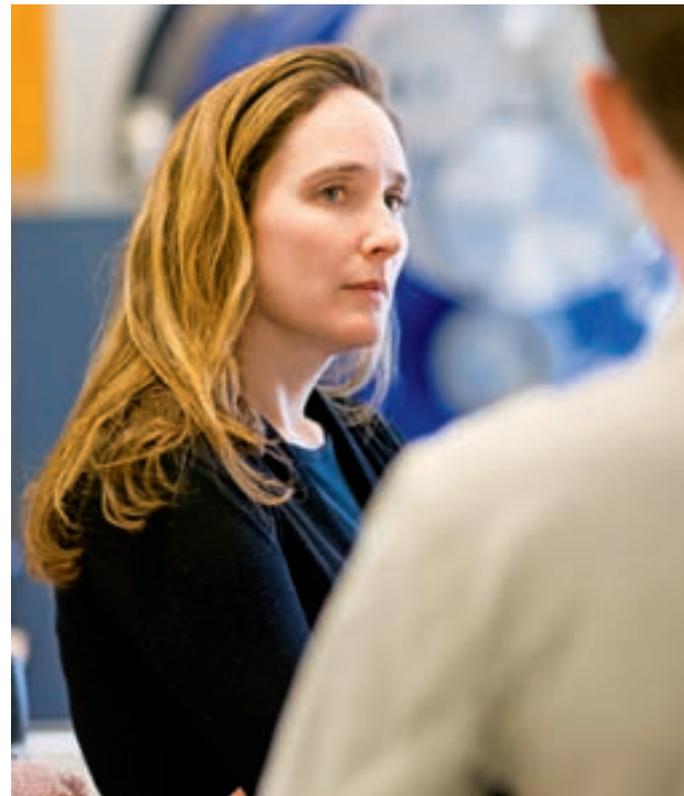
*Professor  
School of the Arts  
Film*

**Undergraduate Courses**

Film Theory I;  
Seeing Narrative

Golden Globe winner and Oscar nominee James Schamus is both practitioner and academic. He teaches film history and theory, and is CEO of Focus Features. He has collaborated as screenwriter and producer with director Ang Lee on eleven films, including *Brokeback Mountain*.

**“Columbia undergraduates aren’t afraid to ask the big questions. They want to know ‘why’ as well as ‘what.’ And those are the kinds of questions that are best answered through discussion, so it’s always a challenge being in a classroom with them.”**



**Amber Miller**

*Dean of Science for the  
Faculty of Arts and Sciences;  
Professor of Physics*

**Undergraduate Mentor**

Supervises undergraduate researchers working on cosmology experiments, and on a variety of related technology development projects.

Professor Miller leads Columbia’s Experimental Cosmology group, which is capturing snapshots of microwaves emitted just after the Big Bang. She is a member of the Council on Foreign Relations and was chief science adviser to the NYPD Counterterrorism Bureau.

**“In the laboratory and as a mentor it is great fun to provide students with access to some of the most exciting research at the cutting edge of cosmology and to help them see that they have things to contribute even as beginning undergraduates.”**



**Shree Nayar**

*T. C. Chang Professor,  
Computer Science;  
Chair of the Computer Science  
Department; Co-Director  
of the Columbia Vision and  
Graphics Center;  
Director of the Computer  
Vision Laboratory (CAVE)*

**Undergraduate Course**

Computer Vision

A member of the American Academy of Arts and Sciences, Professor Nayar is a research pioneer and inventor in computational cameras and advanced vision systems. His work has had significant impact on the practice of digital imaging, computer graphics, and robotics. He recently launched an effort to create an inexpensive, build-it-yourself digital camera, called BigShot, that can be distributed to children around the world to learn about science, engineering, art, and culture.

**“I enjoy having undergraduates in my research lab. They come with a fresh pair of eyes, great enthusiasm and an intense curiosity. Through the questions they ask, they make us think twice about what we do. Since they are unbiased about research, they are also more inclined to think out of the box.”**

**Christia Mercer**

*Gustave M. Berne Professor of Philosophy, Department of Philosophy; Chair of Literature Humanities*

**Undergraduate Courses**

Literature Humanities (Core); Philosophy and Feminism; History of Philosophy

A Columbia Great Teacher Award-winner, Professor Mercer was drawn to teach Core courses by her interest in how philosophy, history, and art intersect. She is chair of Literature Humanities, one of the cornerstone Core courses.



**“My own research has been very significantly influenced by the Core and teaching undergraduates here. I am editing a new book series for Oxford University Press. The idea of including interdisciplinary reflections in the series developed straight out of my work in the Core with students and fellow faculty.”**



**Martin Chalfie**

*William R. Kenan Jr. Professor of Biological Sciences; Former Chair of the Department of Biological Sciences; Shared 2008 Nobel Prize in Chemistry*

**Undergraduate Courses**

Biological Research Skills; Genetics

The Nobel Prize was awarded to Professor Chalfie for the introduction of green fluorescent protein (GFP) as a biological marker. GFP has become one of the essential research tools in the biological and biomedical sciences.

**“The very best undergraduates, and Columbia has many of these students, are just fun to work with. They are eager to learn and get excited about the material, whether in class or the lab. Sharing the excitement of discovery is one of the great joys of doing research, and introducing undergraduates to this excitement is very rewarding. I also enjoy watching students become independent.”**



**Gordana Vunjak-Novakovic**

*Professor of Biomedical Engineering; Professor of Biomedical Engineering and Medical Sciences (in Medicine); Vice-Chair, Department of Biomedical Engineering; Director, Laboratory for Stem Cells and Tissue Engineering; Co-director, Craniofacial Regeneration Center*

**Undergraduate courses**

Biological Transport & Rate Process; Projects in Biomedical Engineering

Professor Vunjak-Novakovic is director of Columbia’s Laboratory for Stem Cells and Tissue Engineering. She focuses on regenerative medicine and technologies that save and improve lives — her lab has successfully grown replacement bones and heart muscle from human stem cells.

**“I gain a lot from working with undergraduates — mentoring some of our greatest talent to discover what they want to do in science. Undergraduates are also often the most creative in their ideas — knowing less they are braver.”**

# 6

## High-Impact and Hands-On: Science and Engineering Research



In labs, in partnerships with New York City, and in global fieldwork — research at Columbia is about solving huge problems like climate change and hunger, as well as solving huge mysteries like the origin of the universe.

**It's about impacting the world with new technologies, new social media, new ways of looking at the human body, new animation techniques.** Getting involved in research here is no Ivory Tower exercise. It's faculty and students actively working wonders.



Professor of Biology Brent Stockwell's lab, where his team is discovering novel cell death pathways involved in cancer and neurodegenerative diseases.



During a recent spring break, Earth and Environmental Science Professor and Lamont-Doherty researcher Nicholas Christie-Blick led his students on an eight-day expedition to investigate the dynamic processes that formed Death Valley.



Research.



Robotics.



Social Change.



Sustainability.



Chemistry Professor Virginia W. Cornish (CC '91) supervises undergraduate research each year. Her specialty is the interface of chemistry and biology, bringing together modern methods in synthetic chemistry and DNA technology to expand the synthetic capabilities of living cells.





Electrical Engineering Professor Ken Shepard at the Bioelectronic Systems Lab, where he and his team combine expertise in chemistry, biology, and integrated circuit design to build micrometer-scale arrays of sensors that can detect biological molecules or select strands of DNA.

**“My students don’t sit on the sidelines. They expect to do critical work in the world. They want to do the real work of science and engineering. And we deliver.”**

PATRICIA CULLIGAN,  
*Professor of Civil Engineering and Engineering Mechanics*

**\$1 Billion**  
in annual research.

**100s**

of labs led by prize-winning faculty working with students have generated 600 different patents and \$1.75 billion in gross revenue.

**50%+**

Undergraduates who major in science or engineering so scientists join an active community of inquiry of both faculty and students.

Some students are guaranteed research experiences for

**4 years**

at time of admission.

**84%**

admit rate to medical school, almost twice the national average.

**4**

undergraduate scholars programs designed to bring high-ability future scientists and engineers to Columbia and support their research goals.

**22**

top-ranked science majors from the traditional to the most cutting-edge, interdisciplinary areas of study.

**17**

engineering areas of study, all doing world-class research.

Almost

**400**

research positions reserved exclusively for undergraduates through Columbia Engineering’s Undergraduate Research Involvement Program (Sample projects: Anthropogenic climate change and the Arctic oscillation, brain imaging of psychological disorders, DNA cloning, electrophysiological measurements and signal processing, modeling and simulation of genetic networks, nanotechnology for solar energy and fuel cells, space physics, microwave heating and plasma sources, tissue engineering of cartilage-bone interface, virtual worlds and augmented reality.)

## Science and Engineering Research: Opportunities Abound

There is a lab at Columbia doing cutting-edge research in nearly every sub-field of every discipline. Not only are there plenty of research opportunities on the Morningside Heights campus, but the many satellite campuses and affiliates of Columbia make it virtually impossible to not find the right lab. Along with the Medical Center, there is the Lamont-Doherty Earth Observatory, the NASA Goddard Institute, and Nevis Physics Laboratories, just to name a few.

### Sheldon Kwok

*Toronto, Canada  
Chemical Physics, Premed*

“Since the beginning of my sophomore year, I have been working at Professor Kenneth Eisenthal’s lab in the Chemistry Department. The work we do focuses on studying the properties of metal nanoparticles with powerful femtosecond lasers. These lasers are so powerful that they can actually remove electrons from air! **Even as an undergrad, I have been able to contribute significantly, even submitting a publication recently as the second author.**”

### Sarah Glazer

*Dallas, TX  
Biomedical Engineering*

“For my senior design project, my team and I have been developing an iPad app to help children with autism better recognize emotions. **As part of the project we have been collaborating closely with the New York Psychiatric Institute and Franklin Lakes Middle School.** Franklin Lakes has a very comprehensive autism program. They have been kind enough to allow us to visit and meet their students, as well as allow their students the opportunity to try out our app.”

### John Ruan

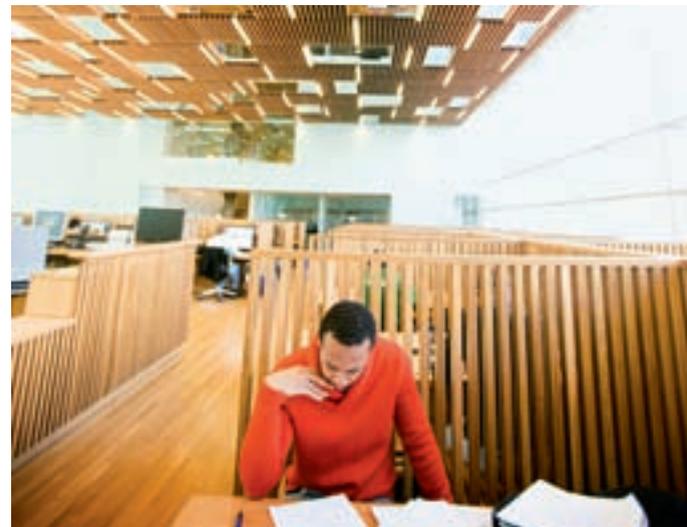
*Mukilteo, WA  
Astrophysics*

“I am currently working on my senior thesis with Professor Jules Halpern on Gamma-ray bursts (GRBs). GRBs are jets of Gamma-ray photons emanating from supernovae in the death of massive stars and are among the most energetic phenomena in the universe. **The hope is to try to understand the physical processes that produced these high-energy photons** and the nature of the medium around the collapsing star.”

### Danielle Bitterman

*Woodbridge, CT  
Environmental Biology*

“I was drawn to Environmental Biology because of **the amazing research opportunities available through the Department of Ecology, Evolution, and Environmental Biology.** The department is associated with the Center for Environmental Research and Conservation (CERC) through the Earth Institute. CERC is a research consortium that connects Columbia University, the American Museum of Natural History, the New York Botanical Garden, the Wildlife Conservation Society, and the EcoHealth Alliance.”



Science & Engineering Library in the new “NoCo” interdisciplinary science and engineering building. The Northwest Corner Building includes the state-of-the-art library and labs as well as a lecture hall and café.



Professor of Physics Amber Miller researches the origin of the universe by observing the cosmic microwave background from the Big Bang. She leads Columbia’s E and B Experiment (EBEX), which consists of a

6,000-pound balloon-borne telescope launched into the stratosphere over Antarctica to capture snapshots of the light emitted by the hot plasma leftover from the big bang. EBEX complements two of Miller’s other projects,

QUIET (the QU Imaging Experiment), a telescope in northern Chile, and the Sunyaev-Zel’dovich Array, telescopes based in Owens Valley, California and shown in the photo above.

7

Columbia  
College



From understanding the forces of globalization to grasping life through the prism of a gene or a molecule, to expressing human yearning through the arts — in all of the areas calling out for intellectual attention at the highest levels, Columbia assembles strengths unique among the very best universities.

**Columbia College is the epitome of having your cake and eating it too — all the benefits of a premier liberal arts college and all the reach of one of the most exciting research universities in the world.**



One of Rodin's bronze castings of "The Thinker" appropriately stands before the entrance of Philosophy Hall. The building houses several departments, including Philosophy, English and Comparative Literature, and French and Romance Philology.

### Areas of Study

- African Studies
- African-American Studies
- American Studies
- Ancient Studies
- Anthropology
- Applied Mathematics
- Archaeology
- Architecture
- Art History
- Art History and Visual Arts
- Astronomy
- Astrophysics
- Biochemistry
- Biology
- Biophysics
- Business Management
- Chemical Physics
- Chemistry
- Classics
- Classical Studies
- Comparative Literature and Society
- Computer Science
- Computer Science-Mathematics
- Creative Writing
- Dance
- Drama and Theatre Arts
- Earth Science
- East Asian Languages and Cultures
- Ecology and Evolution
- Economics
- Economics-Mathematics
- Economics-Philosophy
- Economics-Political Science
- Economics-Statistics
- Education
- English
- Environmental Biology
- Environmental Chemistry
- Environmental Science
- Ethnicity and Race Studies
- Evolutionary Biology of the Human Species
- Film Studies
- Financial Economics
- French
- French and Francophone Studies
- German Literature and Cultural History
- Hispanic Studies
- History
- History and Theory of Architecture
- Human Rights
- Information Science
- Italian Cultural Studies
- Italian Literature
- Jazz Studies
- Latin American and Caribbean Studies
- Linguistics
- Mathematics
- Mathematics-Statistics
- Medieval and Renaissance Studies
- Middle Eastern and Asian Languages and Cultures
- Modern Greek Studies
- Music
- Neuroscience and Behavior
- Philosophy
- Physics
- Political Science
- Political Science-Statistics
- Portuguese
- Psychology
- Regional Studies- East/Central Europe
- Religion
- Russian Language and Culture
- Russian Literature and Culture
- Slavic Literature and Culture
- Slavic Studies
- Sociology
- Statistics
- Sustainable Development
- Urban Studies
- Visual Arts
- Women's and Gender Studies
- Yiddish Studies

### Pre-Professional and Joint Degree Programs

- Premedical, Dental, and Law Programs
- The Combined Plan Program with Columbia Engineering — Earn both a B.A. at Columbia College and B.S. at Columbia Engineering in five years.
- International Affairs Five-Year Program — Earn B.A. and M.I.A. degrees in five years at Columbia College and Columbia's School of International and Public Affairs and Public Administration.
- Public Policy and Administration Five-Year Program — Earn B.A. and M.P.A. degrees in five years at Columbia College and Columbia's School of International and Public Affairs and Public Administration.
- Law — The AILE (Accelerated Interdisciplinary Legal Education) — Earn B.A. and J.D. degrees in six years at Columbia College and Columbia School of Law.
- Juilliard Joint Program — Earn a B.A. at Columbia College and an M.M. from Juilliard in five years or six years depending on area of study. Through the Juilliard Exchange Program, Columbia students also can be invited to cross-register for weekly instrumental, composition, and vocal instruction with the Juilliard faculty.

### A Few Examples of Research Fellowships and Programs

- **Biology and Biomedical** Summer Undergraduate Research Fellowships
- **Political Science and History** Edwin Robbins Summer Research Fellowships
- **East Asian Studies** Weatherhead Undergraduate Training Grants
- **English** Richmond B. Williams Traveling Fellowships
- **Music** The Rapaport Prize
- **All Fields** John W. Kluge Research Fellowships



Edward Mendelson, professor of English and Comparative Literature and the Lionel Trilling Professor in the Humanities, with his Literature Humanities seminar students.



**A renowned college of arts and sciences, distinguished by a singular, intensive Core Curriculum. Close contact with prize-winning, path-breaking faculty.**



**Over 80 areas of study from creative writing to sustainable development to astrophysics.**



**Classes and joint programs with Columbia's prestigious graduate and professional schools, including law, business, medicine, arts, journalism, and international and public affairs, as well as other institutions like The Juilliard School.**



**Students can easily access advisement and mentoring to help them apply for national and international fellowships like the Goldwater, Marshall, Rhodes, and Fulbright programs.**



**Typical class size 10–19.**



**Hundreds of research opportunities fueled by huge resources (major grants, top faculty mentors, premier facilities, and partnerships with other NYC and global research institutions). Students often publish in top journals and present at conferences world-wide.**



**Classes taught in 50 foreign languages each year.**





With the entire first-year class encountering the same texts at the same time, it's not unusual to see students poring over the same books in dorm hallways and cafés — various groups weighing in on each other's conversations.

## Fearless, Forward-Thinking Graduates

Columbia will ask a lot of you but it will also give you every opportunity to find answers. Becoming a fearless, forward-looking global citizen, thinker, change agent, and leader is what a Columbia education is all about, as alumni like those below will tell you.

### Rhodes Scholar

I came as a freshman from the state of Montana, broadly interested in a liberal arts education and pre-law, and left four years later a Rhodes Scholar. After my first year, I got an internship in the United States Senate working on military and defense issues. I also worked part-time from Columbia managing a State Attorney General's race in Montana. **Later I became a delegate to the Democratic National Convention and one of two interns in the country working on health care reform at the U.S. Senate Committee on Finance.** In the fall of my senior year, I learned I had been awarded both the Marshall Scholarship and the Rhodes Scholarship. I felt very lucky, though I really have the dedicated work of the Fellowships Office and Columbia faculty to thank.

#### Raphael Graybill

CC '10

*Pursuing Master's in Political Theory at Oxford University*

### Marshall Scholar

Many of the most exciting opportunities offered to me at Columbia were entirely unexpected. As a sophomore, I took a class on colonial India to fulfill a Core requirement. I loved the class, and from there I became interested in colonial and post-colonial literature and history. I began taking Hindi and Urdu classes and, in the spring of my junior year, I studied abroad in Hyderabad, India. Last summer, I went to Dublin on a fellowship from the Columbia English Department, where **I researched the influence of Indian philosophy on the Irish poet W. B. Yeats — research that I incorporated into my senior English thesis and positioned me so well for a Marshall Scholarship.**

#### Anna Feuer

CC '11

*Pursuing Master's in Global and Imperial History funded by Marshall Scholarship*

### Global Banker

I graduated from Columbia College with a major in American Studies. Since graduation, I have earned my M.B.A. from Harvard Business School and have worked in investment banking. Today, I work with clients and colleagues around the globe, from Tokyo to London, Sao Paulo to Hong Kong. **My courses at Columbia changed my life.** My favorite course was Contemporary Civilization. Nothing has ever challenged me like that course. My Columbia classmates were (and still are) the most brilliant, opinionated, articulate, provocative folks I know.

#### Lisa Landau Carnoy

CC '89

*Managing Director and Global Co-Head of Capital Markets Bank of America Merrill Lynch*

### Passionate Playwrights

The guidance Columbia offered us helped us to find the courage and confidence to go forward and chase our dreams. **Columbia will ask a lot of you, but in doing so, the school goes out of its way to provide you with every opportunity to find the answers.** Most importantly, Columbia will surprise you by showing you a completely new way to think and feel about the world we live in....

We have seen our biggest dreams come true with *Next to Normal*, a piece that demanded from us the utmost passion, dedication, and risk; all of these things we learned at Columbia, the place that truly laid the foundation for our lives as working artists.

**Tom Kitt** CC '96 and

**Brian Yorkey** CC '93

*Pulitzer Prize and Tony Award-winners for Next to Normal*

8

Columbia  
Engineering

One of a handful of top universities in the world with leading thinkers in engineering as well as every discipline and department. An unparalleled breadth of majors and minors, professional-level courses, hands-on design projects, research and internships in New York City and around the world, and Columbia's legendary Core Curriculum — **it's a package you can't find anywhere other than Columbia Engineering.**



**The nation's third-oldest engineering school.**



**The top university in the country for revenue produced by patents held by faculty.**



**A university that is home to more Nobel Prize winners than any other university in the Ivy League.**



**17 engineering areas of study and an engineering Core Curriculum.**



**Over 20 minors in the liberal arts, plus innovative interdisciplinary minors in emerging fields.**



**Undergraduate Research Involvement Program (URIP): An imperative to involve undergraduates in major research departments. Undergraduates are part of research teams in labs and institutes across campus and in the city.**



**Global Study and Internships: International experience geared to engineers and summer internships around the country through our Science, Technology, Engineering Program (STEP).**



**Entrepreneurial spirit: A minor in Entrepreneurship and Innovation, venture competitions for new ideas, collaboration with the Columbia Business School, and an entrepreneurship residential community.**



**Opportunities for classes, joint programs, and research in partnership with Columbia's other world-class professional and graduate schools.**



The Fu Foundation School of Engineering and Applied Science occupies a cluster of buildings on the north end of campus. The cluster includes the Schapiro Center for Engineering and Physical Science Research (shared with the Graduate School of Arts and Sciences), the Seeley Wintersmith Mudd building, the Computer Science building, and the Engineering Terrace. Among the state-of-the-art facilities for engineers and scientists is also the new Northwest Corner Building — an interdisciplinary science and engineering teaching and laboratory complex that includes one of the world's largest science library collections.

### Areas of Study

Applied Mathematics  
Applied Physics  
Biomedical Engineering  
Chemical Engineering  
Civil Engineering

Computer Engineering  
Computer Science  
Earth and Environmental Engineering  
Electrical Engineering

Engineering Management Systems  
Engineering Mechanics  
Financial Engineering  
Industrial Engineering  
Materials Science and Engineering

Mechanical Engineering  
Operations Research

### Engineering Core Classes

The Art of Engineering:  
First-Year Design Course  
Chemistry  
Computer Science  
Economics  
Math  
Physics

### Sampling of Professional-Level Courses

- Atomic-Scale Engineering of New Materials
- Design of Buildings, Bridges, and Spacecraft
- Engineering in Medicine
- Molecular Engineering and Product Design

### Columbia Core Classes

- Art Humanities or Music Humanities
- Literature Humanities, Contemporary Civilization, or Global Core
- University Writing
- Physical Education

### Engineering Minors

Applied Mathematics  
Applied Physics  
Biomedical Engineering  
Chemical Engineering  
Civil Engineering  
Computer Science  
Earth and Environmental Engineering  
Electrical Engineering

Engineering Mechanics  
Entrepreneurship and Innovation  
Industrial Engineering  
Materials Science and Engineering  
Mechanical Engineering  
Operations Research  
Sustainable Engineering

### Liberal Arts Minors

Architecture  
Art History  
Dance  
East Asian Studies  
Economics  
English and Comparative Literature  
French  
French and Francophone Studies  
German  
Greek  
Hispanic Studies

History  
Latin  
Middle Eastern, South Asian and African Studies  
Music  
Philosophy  
Political Science  
Psychology  
Religion  
Sociology  
Statistics



Created with both education and interaction in mind, the Botwinick Multimedia Learning Lab is an innovative facility for computer-aided design with 50 state-of-the-art workstations, a full set of professional-grade engineering software tools and a collaborative learning environment to help students engage in real-world interactions with community clients, Columbia Engineering faculty, and professional practitioners.



## Alumni Engineered to Lead

Columbia Engineers gain a deep understanding of engineering solutions as well as the world itself. They become leaders of their generation no matter what fields they ultimately choose.

### Google Innovator

At Columbia, I majored in computer science. I did undergraduate research with the Center for Computational Learning Systems and the Cardiac Biomechanics Group. But **the beauty of Columbia was that it also allowed me to do more than engineering, which actually makes me a better engineer.** I was a member of the editorial board of the *Columbia Spectator*, an officer in a fraternity, designed the electronics system for a student-built racecar, was a teaching assistant for two master's level computer science courses, and mentored an elementary school student in the Harlem Robotics program.

#### Chase Hensel

SEAS '10

[Google's Associate Product Management Program](#)

### Cardiovascular Pioneer

I work with embryonic stem cell-derived heart cells to investigate how we can mediate repair in the heart. The practical applications of my work are all in the near future, where I hope we can make some significant contributions to the already large body of knowledge of cell therapy for cardiovascular diseases. As an undergraduate, I was given the opportunity to do a lot of independent work in designing and carrying out experiments, writing research papers, and traveling to conferences and meeting other researchers. Now, as a first-year Ph.D. student who holds an National Science Foundation Graduate Research Fellowship, **I am continuing the work that initially attracted me to biomedical engineering.**

#### Amandine

Godier-Furnémont

SEAS '09

[Ph.D. Candidate in Biomedical Engineering](#)

### Space Explorer

Columbia not only provided me with an outstanding education, but also with a sense that **I could accomplish whatever I set out to do in life.** I could have never dreamed how fulfilling my life would be and how much I would enjoy my career. But I did know that deciding on Columbia would be a terrific start to whatever might lie ahead. I believe that every opportunity I have had in my career was built on the strong foundation that Columbia provided. I have had the good fortune to have flown on two Space Shuttle missions, and on each of them I paid tribute to Columbia. On my first spaceflight in March of 2002, I flew a Columbia Engineering flag on board Space Shuttle Columbia. That flag is now on display at the Engineering School.

#### Michael J. Massimino

SEAS '84

[Astronaut](#)

### Financial Interdisciplinary

Coming out of high school, I didn't want to be set apart as an engineer. **I wanted to work with people from different backgrounds, and I wanted to contribute to the community.** I majored in operations research and minored in economics and technological entrepreneurship. Today, I work for JPMorgan analyzing complex systems, working with people in every department across the bank, and staying aware of what's happening in the world — not just in finance. It's the perfect job coming out of Columbia Engineering. Columbia Engineering lets you apply your passion, your skills, in the real world. You become a social innovator and a technical entrepreneur.

#### Stephanie Hwang

SEAS '10

[Analyst  
JPMorgan Chase](#)



The undergraduate mechanical engineering laboratories occupy approximately 6,000 square feet of floor space with basic instrumentation, as well as state-of-the-art equipment. The Computer-Aided Design Lab has software tools

for design, CAD, FEM, and CFD. The Mechatronics Laboratory gives students the opportunity for hands-on experience with microcomputer-embedded control of electromechanical systems.



The Carleton Strength of Materials Laboratory, home to one of the country's largest centrifuges, tests corrosion monitoring for the main cable of suspension bridges such as the Brooklyn Bridge, a National Historic Civil Engineering Landmark and one of our city's hundreds of bridges.

# 9

## Community, Columbia Style



It starts with the people. **Columbia is a place of great friendships, a place where connecting is a way of life.** Being surrounded by so many incredible people all in one spot makes the global and the grand human and personal.



Columbia guarantees housing for all four years and 95% of our students live on campus. Columbia is

its own village within Manhattan. More than a place to live, Columbia is a vibrant residential community.



Student photographers Angela Radulescu and Bennett Hong in collaboration with Ryan Bubinski, a student programmer, independently developed the

“99 Columbians” multimedia project. The goal was to “bring together people that make up Columbia’s uniquely diverse student body.”

The entire 99 Columbians project can be found at [www.99Columbians.com](http://www.99Columbians.com).



Justyna Kosianka,  
Staten Island, NY



Kamsen Lau,  
Hong Kong, Hong Kong



Brianna Gibson,  
Landover, MD



Andra Mihali,  
Bala Mare, Romania



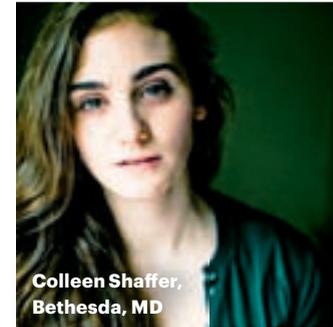
Phillip Dupree,  
Forestville, MD



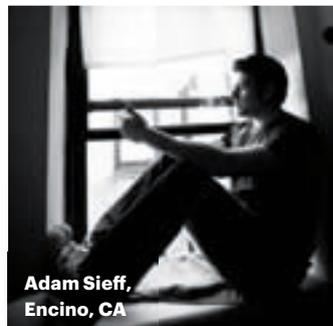
Elizabeth Jacob,  
Old Westbury, NY



Juan Estrada,  
Coral Gables, FL



Colleen Shaffer,  
Bethesda, MD



Adam Sieff,  
Encino, CA



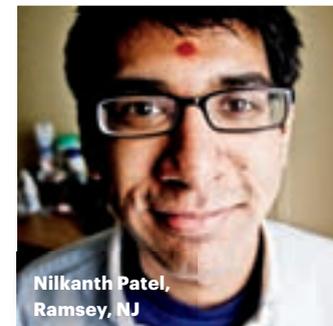
Lawrence Anglin,  
Somerset, NJ



Martin Hamery,  
St. Germain Cedex, France



Diana Levy,  
Toronto, Canada



Nilkanth Patel,  
Ramsey, NJ



Cindy Zhang,  
Indianapolis, IN



Penelope Lin,  
Atherton, CA



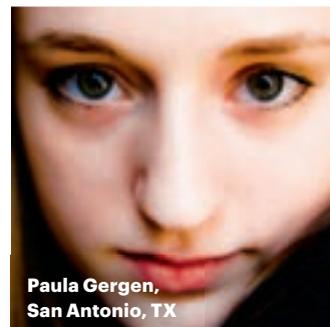
Alex Jones,  
Shawnee Mission, KS



Deiby Barrientos,  
New York, NY



Andrew Altamirano,  
Orlando, FL



Paula Gergen,  
San Antonio, TX



Maddy Kloss,  
Phoenix, AZ



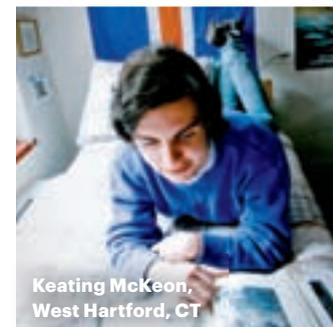
Mario Luna,  
New York, NY



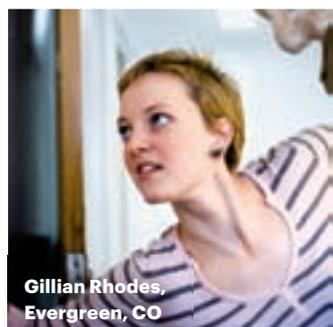
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Yaniris Gomez,  
Haymarket, VA



Keating McKeon,  
West Hartford, CT



Gillian Rhodes,  
Evergreen, CO



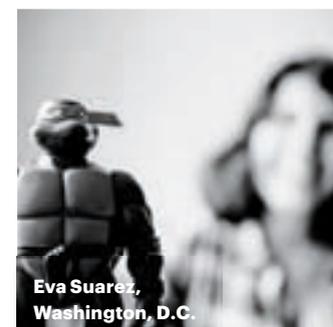
Carolyn Matos,  
San Juan, PR



Chase Larson,  
Mt. Pleasant, UT



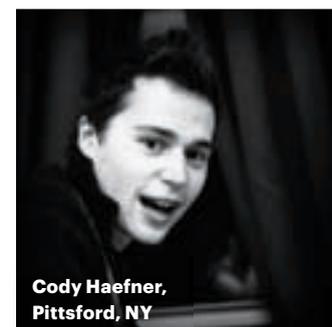
Maya Inamura,  
Tokyo, Japan



Eva Suarez,  
Washington, D.C.



Justin Chow,  
North Hollywood, CA



Cody Haefner,  
Pittsford, NY



Mark Browning,  
Colorado Springs, CO

# Communities Within Communities

Residence hall life, small classes, research and project teams, clubs and causes, the campus events that bring everyone out exploring the city together create communities within communities. Your circles of community begin on our classic campus, and extend to the intimate, friendly neighborhood that surrounds us, on to the world-class city we are part of, and into the world itself.



Times Square



Flatiron District



SoHo



Little Italy



Chelsea



Brooklyn Bridge



West Village



Chinatown



Wall Street



Egypt



Brazil



Uganda



United Arab Emirates



France



India



China

## Columbia

5,800 undergraduates share this beautiful place to live, study, play, work, research, and relax.



## Our Neighborhood

Columbia's neighborhood is Morningside Heights, which stretches from 106th to 125th Streets and is bordered by Central Park, Morningside Park, and Riverside Park.

Rich in both American and Columbian history and teeming with the energy of Columbia undergraduates, Morningside Heights is a charming residential enclave that is at once bustling and intimate.

Many undergraduate professors live in the surrounding neighborhood so Columbia is their home too.

We share the neighborhood with several other colleges — Barnard College, Manhattan School of Music, Union and Jewish Theological Seminaries, and Bank Street College of Education — creating our own brand of New York City college town.

## Our City

The Columbia University subway stop links you to every other corner of the city.

New York is a city of neighborhoods — accessible and magnificent all at the same time.

There may be no easier way to move to New York than to be a Columbian with a ready-made coveted place to live, a fantastic circle of friends, an intellectual-civically engaged-nurturing community, automatic ties to a vast cultural and professional network, and transportation to the entire city steps away from campus.

## The World

Columbia is a microcosm of the world and so is New York. As a student here you truly become a citizen of the world — with friends and connections on campus, in the city, and around the globe.

You gain the knowledge and skills of an unparalleled education. You gain an independence and a confidence from living in New York that no other city can provide.

You're prepared to be at home anywhere in the world — stay in New York, move to London or Dubai, San Francisco or Washington, D.C. And you will already have a network of Columbia alumni when you get there.

At Columbia your community is the world.

## Our Neighborhood, Our City

“What surprised me was how one family of students can own a part of New York. All day, all night, you’ll see friends and professors walking down Broadway. When you pull into the subway station at 116th and Broadway, the sign says Columbia, the walls are light blue, and you get off and think, ‘This stop is mine.’”

LIZ VASTOLA,  
Scarsdale, NY; English and Art History



Traditionally collegiate, Morningside Heights is a vibrant intellectual community. Students visit professors who live in nearby apartments for informal office hours, drop in at 24-hour eateries, and feel the bohemian buzz of the neighborhood that once drew Allen Ginsberg, Jack Kerouac, and Langston Hughes.



# Home, Not Just Home Base

When you're completely engrossed in conversation with your new floormates as you look out over the city lit up by a million lights ... When you're sitting next to an amazing alum at one of the frequent residence hall dinners ... When you're having hot chocolate with suitemates while you help them pick out Halloween costumes ... When you bump into a professor you had last term who wants to know all about what you're up to — at times like these you will suddenly realize that Columbia is more home than home base and the people around you are more family than just friends.



## Living Learning Center

The only first-year/sophomore/junior/senior integrated residential community on campus, this unique living arrangement can ease a first-year's transition to college, providing guidance regarding community, involvement in life at Columbia, class selection, exam preparation, and room selection. Close-knit relationships between first-years, sophomores, juniors, seniors, alumni, faculty, administrators, and visiting guests are the hallmark foundation of the LLC.

"The best thing about living in John Jay is the social component: everyone leaves their doors open to socialize. I loved being able to walk down the hall and stop to have four different conversations and I probably spent more time in my friend's room than in my own."

**J.T. Ramseur**  
Monterey, CA; Psychology



## Res. Inc.

The Engineering-Entrepreneurship Residential Initiative, a.k.a. Res. Inc., puts students with a bent for entrepreneurship into one residential area for living and learning. Housed in Hartley-Wallach Hall, this unique living environment allows young entrepreneurs to conceptualize, create, and problem solve together. They also have programs specifically designed for them like small group dinners with successful entrepreneurs.



## Dean-in-Residence and Alumni Dinners

Deans-in-Residence host monthly dinners with small groups of students and prominent alumni. Students and alumni love how easy it is to strike an instant rapport with one another because of their common Core experience.

"Professors want to know you as a person. My Arabic professor is like an uncle to me; he invites his classes to his house for potlucks with his family."

**Seth Anziska**  
Teaneck, NJ; History



## Special Interest Communities

A unique residential experience, Special Interest Communities enable sophomores, juniors, and seniors to live and explore common interests together. Examples of SICs include: Casa Latina, Community Health House, and Writer's House, among several others. SICs have faculty advisors and create opportunities for students to connect with relevant faculty, administrators, alumni, and community leaders.

"On my floor of Carman Hall, we had weekly study breaks organized by our Resident Adviser. Each week, two people would be responsible for getting food and activities for the whole floor. At 10 P.M. on Wednesday nights, we all gathered in the hallway for pizza night, ice cream night, cooking night! We also always played a board game, like Apples to Apples, for an hour. It was the perfect way to relax after a tough day of studying."

**Mytra Haerizadeh**  
New Haven, CT; Hispanic Studies

"Getting ready to go out on a Saturday night, and realizing everything you're wearing is borrowed from different friends. That's when you know you're family."

**Michelle Diamond**  
Miami, FL; Political Science

Each residence hall has a network of students (Resident Advisers on every floor and a Community Adviser) to create programs and build community.

Students are guaranteed housing for all four years.

First-year students live in five different residence halls, all at the heart of campus.



## Faculty-in-Residence

Professors and their families live on campus too, hosting dinners, guest lectures, study breaks, and other programs in their homes. The connection to these professors outside of class gives students more ways to create meaningful and lasting friendships with faculty.

"Fifty years from now, this is the kind of thing we'll remember: sitting in the hallway with a bunch of friends, talking about books until two in the morning."

TOM SANSANI, *Benicia, CA; History*

# Club Life

As one alumna said, “Columbians expect to be involved.” You will meet other students like you — students who want to make an impact in their community, continue a familiar passion, or discover a new one. Clubs here are some of the most interesting, rewarding, close-knit, and fun micro communities you’ll ever be part of. Here are just a few of more than 500 student-run clubs and organizations, with new ones being created every year.

## Media and Publications

- The Birch - a journal for Eastern European and Eurasian Studies
- The Blue and White
- The Columbia Daily Spectator
- Columbia Journal of Literary Criticism (CJLC)
- Columbia Political Review (CPR)
- The Columbia Review (Literary Magazine)
- Columbia Science Review (CSR)
- Columbia Undergraduate Law Review
- Columbia Undergraduate Journal of History
- Columbia University Science Journal (CUSJ)
- The Columbian (Yearbook)
- Consilience: The Journal of Sustainable Development
- The Current (Journal of Jewish Studies)
- The Federalist Paper
- The Gadfly Magazine (Philosophy)
- Jester of Columbia University
- Journal of Politics & Society
- The Proxy Magazine
- Rhapsody in Blue
- Tablet
- Tectonic
- Triple Helix
- WBAR Radio
- WKCR-FM



## Student Enterprises

- Columbia Bartending Agency and School of Mixology
- Columbia Organization of Rising Entrepreneurs
- Columbia University Tutoring and Translating Agency (CUTTA)
- Inside New York magazine



## Student Government

- Activities Board at Columbia
- Columbia College Student Council
- Community Impact
- Engineering Student Council
- InterGreek Council
- Multicultural Greek Council
- Student Governing Board

## Student Initiatives

- (student-led programs in conjunction with administrative support)
- Academic Success Programs
- Columbia Mentoring Initiative (CMI)
- Columbia University Scholars Alliance
- Committee on Instruction
- Committee on the Core
- Community Principles Initiative
- Days of Dialogue
- Double Discovery Center
- Freedom School
- Gay Health Advocacy Project (GHAP)
- Global Recruitment Committee
- Go Ask Alice!
- Intercultural Resource Center (IRC)
- Multicultural Recruitment Committee
- Office of Multicultural Affairs Advisory Board
- President’s Council on Diversity
- President’s Council on Student Affairs
- ROOTEd
- SisterCircle
- Students of Color Leadership Retreat (SOCLR)
- Undergraduate Recruitment Committee
- Voices Raised

## Academic

- Chandler Society for Undergraduate Chemistry
- Columbia Architecture Society
- Columbia-Barnard Economics Society
- Columbia University Environmental Biology Society
- Columbia Forum for Society, Science and Religion (CFSSR)
- Columbia Math Club
- Columbia Neuroscience Society
- Columbia New Poetry Education Society
- Human Rights Society
- Political Science Students Association (PSSA)
- Society of Physics Students



## Environmental

- Columbia/Barnard Earth Coalition
- Columbia University Food Sustainability Project
- CoreFoods Food Cooperative
- Green Umbrella at Columbia University
- Students for Economic and Environmental Justice

## Gender and Sexuality

- Athena Pre-Law Society
- Columbia Queer Alliance
- Columbia Men Against Violence
- Everyone Allied Against Homophobia
- Feminist Thought
- Feminists United on Campus
- Gayava
- GendeRevolution & Queer Peers and Allies
- Mujeres
- Productive Outreach for Women
- Proud Colors
- Q House
- Queer Awareness Month
- Smart Women Lead

- Society of Women Engineers
- Take Back the Night
- V-Day
- Women in Politics
- Women’s History Month
- Women’s International Business Council



## Political/Activist

- Action for Immigrant Rights
- American Civil Liberties Union
- Amnesty International
- Campaign to End the Death Penalty
- Colleges Against Cancer
- Columbia Anti-War Coalition
- Columbia College Conservative Club
- Columbia College Libertarians
- Columbia Global Justice
- Columbia Global Solutions
- Columbia Green Party
- Columbia International Relations Council and Association
- Columbia Net Impact
- Columbia Political Union
- Columbia Student Solidarity Network
- Columbia Students for International Service
- Columbia Students for Justice in Palestine
- Columbia UNICEF
- Columbia University College Democrats
- Columbia University College Republicans
- Columbia University Development Initiatives
- Columbia University Liberty in North Korea
- Democracy Matters
- FEED @ Columbia University
- FeelGood CU
- Hamilton Society
- International Socialist Organization
- Jews for Social Justice
- LionPAC
- LUCHA
- PROIsrael PROgressives



Scientists and Engineers for a Better Society  
 SNAG: Supporting Native American Growth  
 Student Coalition on Expansion and Gentrification  
 Students Against Imperialism  
 Students Against Silence  
 Students for a Free Tibet  
 Students for Choice  
 Students for an Orwellian Society  
 Students for Organ Donation  
 Students for Sensible Drug Policy  
 Students Promoting Empowerment and Knowledge (SPEaK)  
 Students United for America  
 Toward Reconciliation  
 Working Family Party

### Greek Life

Alpha Chi Omega Sorority  
 Alpha Delta Phi Society  
 Alpha Epsilon Pi Fraternity  
 Alpha Kappa Alpha Sorority  
 Alpha Phi Alpha Fraternity  
 Beta Theta Pi Fraternity  
 Delta Gamma Sorority  
 Delta Sigma Phi Fraternity  
 Delta Sigma Theta Sorority  
 Kappa Alpha Psi Fraternity  
 Kappa Alpha Theta Sorority  
 Kappa Delta Rho Fraternity  
 Kappa Phi Lambda Sorority  
 Lambda Phi Epsilon Fraternity  
 Lambda Pi Chi Sorority  
 Lambda Upsilon Lambda Fraternity  
 Omega Psi Phi Fraternity  
 Pan-Hellenic Council  
 Phi Gamma Delta Fraternity  
 Phi Iota Alpha Fraternity  
 Pi Delta Psi Fraternity  
 Pi Kappa Alpha Fraternity  
 Psi Upsilon Fraternity  
 Sigma Chi Fraternity  
 Sigma Delta Tau Sorority  
 Sigma Iota Alpha Sorority  
 Sigma Lambda Upsilon Sorority  
 Sigma Nu Fraternity  
 Sigma Phi Epsilon Fraternity  
 St. Anthony Hall  
 Theta Nu Xi Sorority  
 Zeta Beta Tau Fraternity  
 Zeta Psi Fraternity

### Academic Competition

American Institute of Aeronautics and Astronautics  
 Columbia Policy Debate Union  
 Mock Trial Team  
 Model Congress  
 Model United Nations

Parliamentary Debate Team  
 Quiz Bowl  
 Society of Automotive Engineers  
 Solar Splash



### Service

Advocacy Coalition  
 Afterhours Tutoring  
 America Reads  
 Artists Reaching Out (ARO)  
 Asian Youth Program  
 Barnard-Columbia Mentor Program  
 Big Sibz  
 Bikkur Cholim  
 Blue Key Society  
 Columbia Adaptive Sports Organization  
 Columbia Community Outreach (CCO)  
 Columbia Engineers Without Borders  
 Columbia University Dance Marathon  
 Columbia University Global Brigades  
 Columbia Urban Experience  
 Community Lunch  
 Community Youth  
 CU Smile  
 Emergency Food Pantry/The Clothes Closet  
 FAN (Food Stamps Awareness)  
 Golden Key Society  
 Health Education Awareness League (HEAL)  
 Habitat for Humanity  
 Harlem Restoration Project  
 Hispanic Scholarship Fund Chapter at Columbia  
 J.E.E.P. Citizenship Classes  
 J.E.E.P. College Road  
 J.E.E.P. Computer Training  
 J.E.E.P. ESL Classes  
 J.E.E.P. GED/ABE Classes  
 J.E.E.P. Job Road  
 Kraft Food Pantry  
 Let's Get Ready  
 Mentor High School Extension  
 One to One Tutoring  
 PS 165 Tutoring  
 Peace by PEACE  
 Project for the Homeless  
 Project HEALTH  
 Project Sunshine Harlem Hospital  
 Project Sunshine Book Buddies  
 Relay for Life  
 Student Help for the Aging  
 TLC Play Group

### A Cappella

Bacchantae  
 Clefhangers  
 Gospel Choir  
 Jubilation!  
 Kingsmen  
 Metrotones  
 Nonsequitur  
 Notes and Keys  
 Pizmon  
 S'madar  
 Uptown Vocal



### Dance

Ballroom Dance  
 Columbia Ballet Collaborative  
 Columbia Tango  
 Columbia University Dance Team  
 Columbia University Raas  
 Columbia University Society of Hip-Hop  
 Columbia University Step Team  
 Columbia University Swing  
 cuBHANGRA  
 CU Step  
 Dole  
 Lion Dance  
 Ho-Heup Drum Troupe  
 Onyx  
 Orchesis  
 Radiance Dance Troupe  
 Raw Elementz  
 Sabor  
 Taal



### Film and Visual Arts

Artist Society  
 Columbia University Film Productions  
 Columbia University Photography Society  
 Columbia University National Undergraduate Film Festival  
 Columbia University Television  
 Ferris Reel Film Society  
 Postcrypt Art Gallery

### Music

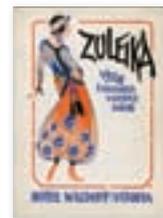
Bach Society  
 Barnard-Columbia Chorus and Chamber Choir  
 Bluegrass Band  
 Chamber Music Ensembles  
 Collegium Musicum

Columbia Classical Performers  
 Columbia Concerts  
 Columbia Middle Eastern Music Ensemble  
 Columbia New Music  
 Columbia University Glee Club  
 Columbia University Marching Band  
 Columbia University Orchestra  
 Columbia University Wind Ensemble  
 CU Guitar Ensemble  
 Duo Piano  
 Flute Choir  
 Japanese Gagaku Ensemble  
 Louis Armstrong Jazz Performance Program  
 Ensembles  
 Klezmer Band  
 Latin American Ensemble  
 Morningside Opera  
 Postcrypt Coffeehouse  
 Sounds of China



### Theatre

Black Theater Ensemble  
 Chowdah Sketch Comedy  
 Columbia Classical Performers  
 Columbia Musical Theatre Society  
 Columbia Players  
 Columbia University Performing Arts League  
 Fruit Paunch Improv Troupe  
 Hillel Theatre Arts Group  
 King's Crown Shakespeare Troupe  
 L'Atelier  
 LateNite Theatre  
 NOMADS  
 Varsity Show



### Pre-Professional

American Institute of Chemical Engineers  
 American Society of Civil Engineers  
 American Society of Mechanical Engineers  
 Association for Computing Machinery  
 Barnard-Columbia Undergraduate Public Health Society  
 Biomedical Engineering Society  
 Charles Drew Premedical Society

Columbia-China Law and Business Association  
 Columbia Pre-Law Society  
 Columbia Women's Business Society  
 CU American Medical Students Association  
 Institute of Electrical and Electronics Engineers  
 Multicultural Business Association (MBA)  
 National Society of Black Engineers (NSBE)  
 Society of Hispanic Professional Engineers (SHPE)



### Special Interest

Anime Club  
 Chess Club  
 Columbia Sign Language Club  
 Columbia University Science Fiction Society  
 Conversio Virium  
 Culinary Society  
 CU Sign  
 Games Club  
 Nightline Peer Counseling  
 Philolexian Society  
 Skip Stop Commuter Organization

Society for International Undergraduates  
 Transfer Alliance  
 U.S. Military Veterans of Columbia University

### Cultural

Acción Boricua  
 African Students Association  
 Ahimsa  
 Armenian Club  
 Asian American Alliance  
 Asian Pacific American Awareness Month  
 Black Heritage Month  
 Black Organization of Soul Sisters  
 Black Students' Organization  
 Caribbean Students Association  
 Celebration of Black Womanhood Week  
 Chicano Caucus  
 Chinese Students Club  
 Club Bangla  
 Club Zamana  
 Columbia Iranian Students Association  
 Columbia Japan Society  
 Columbia porColombia  
 Columbia University Chinese Students and Scholars Association  
 Cuban and American Students Association (CASA)

Dimensions (South Asian)  
 French Cultural Society  
 Grupo Quisqueyano  
 Haitian Students Association  
 Hapa Club  
 Hellas  
 Hong Kong Students and Scholars Society  
 Korean Students Association  
 Latino Heritage Month  
 Liga Filipina  
 Malama Hawaii  
 Multicultural International Student Association  
 Native American Council  
 Native American Heritage Month  
 Organization of Pakistani Students  
 Polish Club  
 Russian International Association  
 Singapore Students Association  
 Southeast Asian League (SEAL)  
 Sprockets (German)  
 Student Organization of Latinos (SOL)  
 Taiwanese American Students Association  
 Thai Student Association  
 Turath: The Arab Students Organization at Columbia University  
 Turkish Student Association  
 Ukrainian Students Society

United Students of Color Council  
 Vietnamese Students Association  
 Yiddish Club

### Religious/Spiritual

Ahimsa  
 Apostolos Campus Ministry  
 Asian Baptist Student Koinonia  
 Augustine Club  
 Baha'i Club of Columbia University  
 Baptist Campus Ministry  
 Beit Midrash  
 Bhakti Club  
 Canterbury Club  
 Chai Society (Chabad)  
 Columbia Buddhist Meditation Group  
 Columbia Catholic Undergraduates  
 Columbia Falun Dafa (Falun Gong)  
 Columbia Sikh Student Association  
 Columbia Students for Christ  
 Columbia/Barnard Hillel  
 Garin Lavi  
 Hindu Students Organization (Santhana Dharma Sanga)  
 Intersarsity Christian Fellowship  
 Israel Alliance  
 Israel Va'ad  
 Jehovah's Witnesses  
 Jewish Meditation  
 Keshar  
 Koach  
 Kochol v'lavan  
 Korea Campus Crusade for Christ  
 Korean Christian Students Association  
 Latter-Day Saints Student Association  
 Muslim Students Association  
 Orthodox Christian Fellowship  
 Remnant Christian Fellowship  
 Sephardic Club  
 Seudah Shlisheet  
 Seventh-Day Adventists  
 Shabbat Meals  
 University Bible Fellowship  
 Veritas Forum  
 Women's T'fillah  
 Yavneh



Activities Day, held on College Walk each fall, features hundreds of student clubs and organizations welcoming new members.

# Roar, Lion, Roar

Whether you are a varsity athlete or an avid sports fan, Columbia has a proud history of achievement. An original member of the Ivy League, Columbia offers 31 NCAA Division I varsity sports, and 45+ club and 40+ intramural sports. With 14 Ivy League Championships since 2007 and several Olympians and Olympic medalists, Columbia has an exceptional program and tradition for serious players or any athlete or fan with a fierce love of the game.



## Men's Varsity Sports

- Men's Varsity Sports
- Baseball
- Basketball
- Cross Country
- Fencing
- Football
- Golf
- Rowing: Heavyweight
- Rowing: Lightweight
- Soccer
- Squash
- Swimming & Diving
- Tennis
- Track & Field: Indoor
- Track & Field: Outdoor
- Wrestling



## Women's Varsity Sports

- Archery
- Basketball
- Cheerleading
- Cross Country
- Fencing
- Field Hockey
- Golf
- Lacrosse
- Rowing
- Soccer
- Softball

- Squash
- Swimming & Diving
- Tennis
- Track & Field: Indoor
- Track & Field: Outdoor
- Volleyball



## Club Sports

- Aikido
- Archery
- Badminton
- Ballroom Dance
- Bowling
- Boxing Training
- Brazilian Ju Jitsu
- Capoeira
- Cycling
- Equestrian
- Figure Skating
- Go Ju Ryu Karate
- Hiking
- Hockey (Men)
- Hockey (Women)
- Kayaking
- Kendo
- Lacrosse (Men)
- Masters Swim
- Moy Yee Martial Arts
- Racquetball
- Road Runners
- Rock Climbing
- Rugby (Men)
- Rugby (Women)
- Sailing

- Shotokan Karate
- Ski Racing
- Swing Dance
- Table Tennis
- Tae Kwon Do
- Tennis
- Triathlon
- Ultimate Frisbee (Men)
- Ultimate Frisbee (Women)
- Volleyball (Men)
- Volleyball (Women)
- Water Polo (Men)



## Intramural Teams

- (Co-ed, Men's, and Women's teams and tournaments in several of the following sports)
- Basketball
  - Dodgeball
  - Floor Hockey
  - Football
  - Indoor Soccer
  - Kickball
  - Outdoor Soccer
  - Racquetball
  - Squash
  - Volleyball

34  
Olympians

13  
NCAA team championships

47  
NCAA individual championships

14  
Ivy League Championship teams in the last four years.



From a 150+ year tradition of rowing excellence on the Hudson to our long-standing football rivalry with the Fordham Rams for the Liberty Cup, the Columbia Lions have a rich history of competitive spirit.

**“I love Friday nights in February when the campus is serene, but you walk into Levien Gymnasium, and there’s suddenly the blaring noises of referee whistles, the band playing, and the packed house yelling.”**

JIM PAGELS, Coppel, TX; American Studies

# 10

Columbia  
Moments:  
Tried  
and True Blue



Columbia moments: they happen because of the people who come here and because of our history. **They happen because this city is part of us and we are part of it. Completely unique to each student yet, oh so Columbia. They could only happen here.**



Each year our Bacchanal festival brings a free concert to campus. Past performers have included Kanye West, Common, Outkast, Snoop Dogg, Talib Kweli, and Vampire Weekend. Student bands also compete in a Battle of the Bands. In fact, the Columbia alumni who formed Vampire Weekend first played at a Columbia Engineering Battle of the Bands.



The Varsity Show, an entirely student-run performance, has been produced for over a century. The Varsity Show helped launch the creative genius of Rodgers and Hammerstein as well as Brian Yorkey and Tom Kitt.

### Orgo Night Merriment

The night before the Organic Chemistry Final — Orgo Night. On this night in December and again in May, the main study room in Butler Library starts getting packed around 11:30 pm. You see practically everyone you know and despite being finals week, everyone is excited and happy. **At midnight sharp, you hear the sound of instruments and all of a sudden, the marching band storms into the room playing songs and reading jokes while the rest of us are standing on the tables and chairs dancing and laughing.**

DEBBIE GOODMAN, *Lido Beach, NY; CC*

**“The night started the way most nights do when the weather is nice: on Low Steps. The plan: meet for dinner at Columbia Cottage, stroll down Amsterdam, explore Midtown. But as we were leaving we bumped into another group of friends. Ideas were exchanged. Dinner was now a quick bite at John Jay. The stroll had turned into a walk along 116th to watch a movie in Riverside Park.”**

HENRY JONES, *Rochester, NY; SEAS*

### Varsity Show, Opening Night

**I saw a thousand students spiraling up the Lerner ramps, waiting to go inside, all obviously taking a break from studying for finals.**

I thought of how unique this tradition was: Columbia’s big end of the year bang was a musical in which the whole school comes together to poke fun at ourselves.

I thought about how I had been running around the city all day, looking for the most specialized lighting equipment or set dressing. I thought about how incredibly talented everyone was that I had the good fortune to work with. More than anything, what made that moment so Columbia was the combination of tradition and freshness. It was the 116th time the students had assembled, but we were still presenting this new show.

WILL HUGHES, *San Jose, CA; CC*

### A Year in Columbia Traditions



Columbia Outdoor Orientation Program (August)



New Student Orientation Program (August)



President’s Annual Fun Run (September)



World Leaders Forum (September)

### Unexpected Advice

I'd just finished a round robin set of squash games with some kids on my floor when a man who introduced himself as Jeff asked me to play a couple of games. I made quite a fool of myself losing about five games 9-0. Now well aware that my squash game needed a lot of improvement, I asked him for some advice. Not only did he give me great constructive criticism but he stayed to practice some of the methods. When we decided to call it quits, he told me I should come to the next orchestra concert. **Turned out I just played a pickup game of squash with the director of the Columbia orchestra. I couldn't help but smile.** BILLY FINK, *Franklin Lakes, NJ; CC*

### Spring Awakening

I had just gone to see *Spring Awakening* (free tickets!) with a group of fellow Columbia freshmen. Afterward, as we stood on the corner of 50th and Broadway waiting for the light to change, one of us mentioned that one of the characters had referenced Achilles and Patroklos from *The Iliad*, who we had just been learning about in Lit Hum. Suddenly the entire group launched into a discussion/debate/free-for-all about the relationship between the two. **I realized a minute later that we had been talking so intensely we'd missed the light.** We'd also just acted out every Columbia guide book cliché about the unifying power of the Core Curriculum.

STEPHEN DAVAN,  
*Hartsdale, NY; CC*

**“Activities that combine classic college experiences with the unique influence of New York are ‘Columbian’ to me. Perhaps the best example of this balance was a weekend this fall when, within 48 hours, I met Maggie Gyllenhaal while buying apples at the Columbia Farmer’s Market, tried dim sum for the first time with my floormates in Chinatown, and met the President of Denmark after sitting in the front row at his talk on global climate change and policy.”**

ALISON HARD, *Avon, CT; CC*

### Professorial Lunch

When I got an e-mail freshman year from my Chemistry professor, Ged Parkin, to have lunch with him and some of my classmates, I immediately replied yes. At the lunch, Professor Parkin talked about the amount and depth of research that goes on at Columbia every single day. **But what stuck with me most was when he casually referenced a friend of his named Brian Greene, a world-famous string theorist.** It was one thing to be an undergraduate student at Columbia; it was another to be invited into some of the most complicated scientific dialogue with some of the brightest professors in their fields so early in my academic career.

KUNAL GUPTA,  
*Bethlehem, PA; SEAS*

**“My fellow first-years and I arrived at the Metropolitan Museum of Art, one of the most renowned museums in the world, shocked to find the museum reserved exclusively for us. It was then that I saw the vast amount of resources offered not only by the university, but also by New York City to Columbia students.”**

JAKE GOREN, *Encino, CA; SEAS*

### Pausing the President

Fifteen members of John Jay 12 are crowded around my laptop as I stream President Obama’s address to Congress on health care. **While the President’s speech lasted an hour, it took us until 4 AM to finish listening.** Every five minutes we would pause the feed to debate what the President had just said. The debate was the most energetic I’d ever witnessed, and it was all due to the fact that every person watching that speech had a different perspective on the matter: There was an international student from Britain, an arch-conservative, a student whose mom had never been able to afford health insurance, and I was in the middle just trying to keep up!

STEELE STERNBERG, *Denver, CO; CC*

### A Year in Columbia Traditions (Continued)



Homecoming (October)



Midnight Mania (November)



Orgo Night (December)



Tree Lighting/Yule Log Ceremony (December)



Sledding on Low Steps (January)



Glass House Rocks (February)



Holi Hindu Festival (April)



Bacchanal (April)

# 11

## Blue View: Part II



Located on the banks of the Harlem and Hudson Rivers, Lawrence A. Wien Stadium was featured in *Sports Illustrated* as one of the most beautiful places in the country to watch a football game.

The stadium is part of the Baker Athletics Complex, home to Columbia's football, baseball, track and field, crew, tennis, lacrosse, field hockey, softball, and soccer teams.





Where else but in a city that never sleeps will you find not only 24-hour libraries for night owls but also a 24-hour improv show each spring by the campus troupe Fruit Paunch?





Built in 1904 and designated a New York City landmark in 1966, St. Paul's Chapel is nondenominational and provides a beautiful space for hundreds of events each year. Here one of our many student orchestras practices for an upcoming concert.



# Columbia at A Glance

## Enrollment

There are approximately 4,400 students in Columbia College and 1,400 students in Columbia Engineering. Over half of all students self identified at the time they applied as Asian, African American, Latino/a or Native American; students come from all 50 states as well as Washington D.C., Puerto Rico, and dozens of countries.

## Admission

Admission to Columbia is most selective. Please consult our Web site for selection criteria and the secondary school preparation we recommend. Fifty percent of students admitted to Columbia score between a 2150 and a 2320 on the SAT (32-35 on the ACT). Please consult the Web site for details on our testing policy. Over 90 percent of admitted students were in the top 10 percent of their high school class (in schools that provided a class rank).

Columbia utilizes The Common Application and requires the Columbia Supplement to The Common Application. **We strongly encourage students to apply online. Please use the paper application only if you do not have access to the Internet.** Visit [www.studentaffairs.columbia.edu/admissions/](http://www.studentaffairs.columbia.edu/admissions/) to access The Common Application and Supplement.

## Financial Aid

Admission to Columbia is need-blind, which means that we will consider your application without regard to your financial need. The need-blind policy is in effect for candidates who are U.S. citizens or permanent residents or qualify for a refugee visa from the United States. Financial aid is available for foreign students, but financial need is considered at the time of admission. Financial aid is need-based, and **Columbia meets 100 percent of the demonstrated need of every student admitted as a first-year student for all four years of study.** Some highlights of our financial aid program include:

- **No Loans:** We have eliminated loans for all students receiving financial aid and replaced them with additional University grants.
- **No Parent Contribution:** For students coming from families who receive income less than \$60,000 per year (with typical assets), parents are not expected to contribute to tuition, fees, room, or board.
- **Reduced Parent Contribution:** Students coming from families who make between \$60,000 and \$100,000 (with typical assets) have a significantly reduced parent contribution.
- **Work Exemption Program:** To support students pursuing study abroad, research, internships, and community service opportunities, Columbia offers the opportunity to apply for **additional funding and exemptions from academic year and summer work expectations.**

Even families who make over \$100,000 may qualify for need-based aid and will benefit from our no-loan policy.

Visit [www.studentaffairs.columbia.edu/finaid](http://www.studentaffairs.columbia.edu/finaid) for more information.

## Cost of Attending

Estimated cost for the 2011–2012 academic year: tuition, \$43,088; room and board, \$11,020; fees, \$2,202; books and personal expenses, \$2,898; orientation and transcript fee (for first year only), \$511. Total estimated cost: \$59,719.

## Information Sessions and Campus Tours

Information sessions with members of the admissions staff give you an opportunity to ask about the Columbia experience — the curriculum, residential life, extracurricular activities, advising, financial aid, New York City, admission requirements, and other topics. The campus tour that immediately follows is conducted by a current undergraduate student.

The information session and tour last about an hour each.

In addition to tours offering information about both Columbia College and Columbia Engineering, we offer specific science tours and Engineering tours on Fridays. Tours and information sessions begin in the Visitors Center, 213 Low Memorial Library. We do not offer information sessions and tours on University holidays. For a listing of specific sessions, tours, reservations, and exceptions, please visit [www.studentaffairs.columbia.edu/admissions/visit](http://www.studentaffairs.columbia.edu/admissions/visit) before making travel arrangements.

## Request Information

To get on our mailing list, visit [www.studentaffairs.columbia.edu/admissions](http://www.studentaffairs.columbia.edu/admissions). You will receive information and publications, including invitations to upcoming campus programs and receptions around the world.

## Statement of Non-Discrimination

Columbia University admits students of any race, color, national, or ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the University. It does not discriminate on the basis of race, color, sex, gender, pregnancy, religion, creed, marital status, partnership status, age, sexual orientation, national origin, disability, military status, or any other legally protected status in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other University-sponsored programs.



Looking out from Butler Library onto College Walk and Low Plaza.

Design: Pentagram

Text: Andrea Jarrell

Photography: David Leventi; Matthew Septimus

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From a one-room classroom with one professor and eight students, today's Columbia has grown to become the quintessential great urban university. **Dive in.**



# New York City



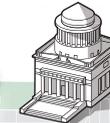
Columbia University

The Cloisters  
Museum & Gardens



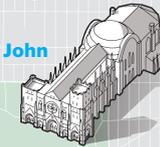
Washington Heights

Grant's Tomb

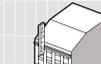


Morningside Heights

Cathedral  
Church of Saint John  
the Divine

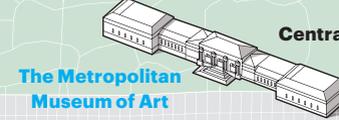


Apollo Theater

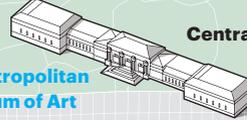


Harlem

Central Park



The Metropolitan  
Museum of Art



Upper East Side

Lenox Hill

Yorkville

East Harlem

The Bronx

Queens

East River

Lower East Side

East Village

Murray Hill

Gramercy Park

Noho

Chinatown

Soho

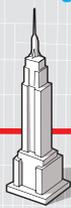


Greenwich Village

West Village

Chelsea

Empire State  
Building



Midtown



Theater  
District

Clinton



Lincoln Center  
for the Performing Arts

Upper West Side

Flatiron  
District



Flatiron  
Building

Tribeca

Hudson River

Financial  
District



New York  
Stock Exchange

NYC Subway — No. 1 Train

Financial  
District

Statue of Liberty



New Jersey

Brooklyn

← Staten Island

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**For more information about  
Columbia University,  
please call our office or  
visit our Web site:**

**212-854-2522  
[www.studentaffairs.  
columbia.edu/admissions](http://www.studentaffairs.columbia.edu/admissions)**