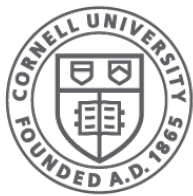


Administrivia

CS 4411: Operating Systems Practicum
Spring 2021

Professors :

Robbert van Renesse and Lorenzo Alvisi



Cornell CIS
COMPUTING AND INFORMATION SCIENCE

Inclusion

- We strive to make CS4410 a welcoming, safe, equitable, and respectful environment, consistent with [Cornell's commitments](#)
- We recognize that the society we live in is none of those things, that we have implicit biases, and that we have to work hard every day to counter those biases to create an inclusive environment
- If you witness a bias incident or have been the victim of one, please file a [confidential report](#) with Cornell
- If you have any suggestions such as improvements to the web site, syllabi, slides, homework and exam questions, and so on, you can email cs4411-prof@cornell.edu or you can anonymously fill out a [suggestion form](#)

Emotional Help

Engineering Advising	www.engineering.cornell.edu/resources/advising	Academic advising for engineering students
Arts College Student	www.arts.cornell.edu/stu-adv/	Listing of general support services for a variety of concerns
Gannett	www.gannett.cornell.edu	Cornell University Health Service
CAPS	www.gannett.cornell.edu/services/counseling/caps	If you experience emotional distress, please contact Counseling and Psychological Services
Student Disability Services	sds.cornell.edu	Ensures that all aspects of student life are accessible, equitable, and inclusive of those with disabilities. Send accommodation letters to Veronica VanCleave-Seeley (vv48, Gates 401) by Sep 15.

Get help. Get documentation. The earlier the better.
Also, please look out for each other

How this class is organized

- Who's Who
- Before you take this class...
- Communication
 - Lectures, OHs, FAQ, etc.
 - Getting Help
- Homework, exams

About RVR

- Ph.D. C.S., Vrije Universiteit Amsterdam
 - Amoeba Distributed Operating System
- Industry: Research Scientist @ AT&T Bell Labs
 - Unix, Plan 9
- Serial entrepreneur
 - Reliable Network Solutions (IP → Amazon)
 - D.A.G. Labs (acquired by FAST, then by Microsoft)
 - Exotanium (ongoing)
- Two daughters and a godson
 - Anneke, Tanya, Christian

Interests: scalable and fault tolerant distributed systems

Non-geek: musician (trad. jazz), swing dance, unicycling

About Lorenzo

- Ph.D. CS, Cornell University
 - Fault tolerant Distributed Computing
 - Physics M.S. From University of Bologna
- UT Austin
 - Academy of Distinguished Teachers
- Serial
 - Consumer of dark chocolate
 - Motorcycle owner (4 currently)
- Two daughters
 - Maria & Chiara (Cornell '20)

Interests: scalable and fault tolerant distributed systems

Non-geek: classical music, literature, hiking, riding

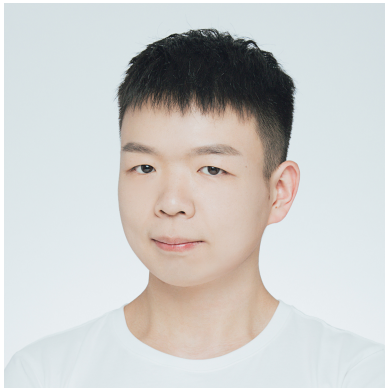
Who are the TAs?



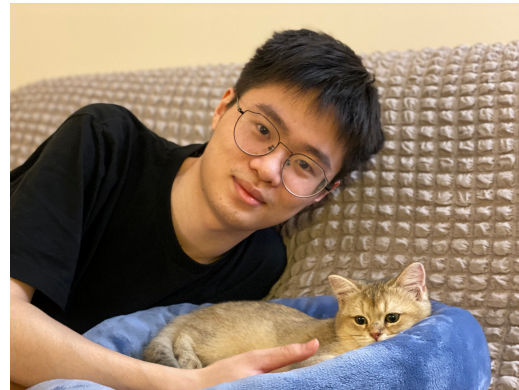
Yu-Ju Huang



Xinwen Wang



Yunhao Zhang



Haocheng Shen

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Prerequisites

- You should either have taken CS4410 or take it concurrently

Otherwise: you must contact an instructor, explain your situation and request permission

Course Content

- This is a project course
 - Lectures/discussions on Friday afternoon
 - 7 (or so) projects in C
 - queue
 - multi-threading and synchronization
 - multi-level feedback scheduler
 - user-level interrupts
 - make, testing, ...
 - file system cache
 - file system
 - No exams, no textbook

How this class is organized

- Who's Who
- Before you take this class...
- **Communication**
 - Lectures, OHs, FAQ, etc.
 - Getting Help
- Homework, exams
- Grades & Policies

Communications

- Virtual → **need for more communication**
 - Website
 - Lectures (zoom, chat)
 - Office Hours
 - CMSX
 - Mailing List

Course Web Page

<http://www.cs.cornell.edu/courses/cs4411/>

- Schedule
- Project release and due dates

CMSX

<https://cmsx.cs.cornell.edu>

- Assignments
- Grades & Regrades

Office Hours

- Slots posted online
- All OHs are over Zoom
 - Will consider special requests for in-person meetings
- You have to register for a slot
 - Please specify NetID and include topic
- Can only sign up for one slot at a time

Mailing List

For time-sensitive matters, email

cs4411-staff@cornell.edu

For sensitive-matters, email

cs4411-prof@cornell.edu

No Piazza etc...

How this class is organized

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Project Teams

- Each project (except the first) must be done in teams of 2 to 3 students
 - You can select your own team
 - Or you can let us do it
 - Aim to have this done by next Friday

Team Code of Conduct

- Each student should feel safe, welcome, respected
- *Participate, but don't dominate*
- Be patient
- Respect diverse talents and ways of learning
- Fight your implicit biases

A well-run team benefits **all** participants

Academic Integrity & Honor Code

All submitted work must be your own

- OK to discuss concepts with any other student
- Teams are not allowed to share code
- One submission per team
- Put your code in a private repo
 - recommend: github.coecis.cornell.edu

Violations will be prosecuted

Academic Integrity

Why not cheat?

- It hurts you in various ways:
 - It reduces the value of your Cornell degree
 - It stresses you out because you might get caught
 - You won't feel good about yourself afterward
 - The energy that goes into cheating is better used for learning
- It hurts other students:
 - It stresses them out
 - By far most students are honest

If you need help, get it early

Grading

- No “curving”
 - CS4411 is not a competition
 - Your grade reflects your learning objectives, not how well you did compared to others
 - Goal is to give everyone an A
- Grade is weighted average of projects
 - Weighing of projects TBD