You Made It!

PAUL G. ALLEN SCHOOL
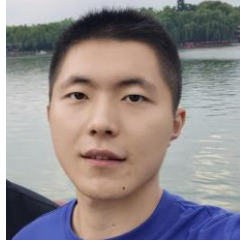OF COMPUTER SCIENCE & ENGINEERING

Announcements

- P3 due tonight
- Final exam next Tuesday, 12:30-2:20
  - Read exam policies
    - One note page, no more than 8.5" x 11"
    - Reference sheet posted later today
    - Assigned seats
- R8 due next Thursday

Thank your TAs!

Learning Objectives

or, "What did I learn in this class?"

Seven themes:

- Computational Thinking
- Code Comprehension
- Code Writing
- Communication

- Testing
- Debugging
- Ethics/Impact

Digression: My New Hobby

Amigurumi: Japanese art of creating crocheted or knitted stuffed toys

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Applications of CS

or "What can I do with what I learned?"

- [Detect and prevent toxicity online](#)
- [Digitize basketball players](#)
- [Help DHH people identify sounds](#)
- [Figure out how to best distribute relief funds](#)
- [Recognize disinformation online](#)
- [Make movies](#)
- [Improve digital collaboration](#)
- [Fix Olympic badminton](#)
- And so much more!

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Future Courses

or "What can I do next?"

CSE Majors

Course	Overview
CSE 311	Mathematical foundations
CSE 351	Low-level computer organization/abstraction
CSE 331	Software design/implementation
CSE 341	Programming languages (!)
CSE 340	Interaction programming

Non-CSE Majors/Open to All (*)

Course	Overview
CSE 154*	Intro. to web programming (several languages)
CSE 163*	Intermediate programming, data analysis (Python)
CSE 180*	Introduction to data science (Python)
CSE 373	Data structures and algorithms (w/Kasey!)
CSE 374	Low-level programming and tools (C/C++)
CSE 412	Data Visualization
CSE 416	Intro. to Machine Learning

All offered in Spring 2023

See: https://www.cs.washington.edu/academics/ugrad/current-students and https://www.cs.washington.edu/academics/ugrad/nonmajor-options/nonmajor-courses

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Frequently Asked Questions

- How can I get better at programming?
  - Practice!

- How can I learn to X?
  - Search online, read books, look at examples

- What should I work on next?
  - Anything you can think of! ([Here are some ideas](#))
  - [Beware](#): it's hard to tell what's easy and what's hard.

- Should I learn another language? Which one?
  - That depends–what do you want to do?

- What's the best programming language?
  - 😠 (take CSE 341/CSE 413)

Thank you!!!

Ask Us (Almost) Anything!