

You Made It!













Announcements

- P3 due tonight Friday at 11:59pm
- R8 due Friday (12/8)
- New: R9 due next Wednesday (12/13)
- Final exam next Tuesday (12/12), 12:30-2:20
 - Read <u>exam policies</u>
 - One note page, no more than 8.5" x 11"
 - Reference sheet posted
 - Assigned seats

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





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!

Future Courses

or "What can I do next?"

CSE Majors

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

Non-CSE Majors/Open to All (*)

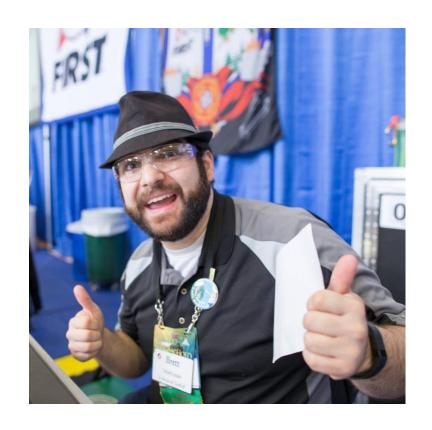
Course	Overview
<u>CSE 154</u> *	Intro. to web programming (several languages)
<u>CSE 163</u> *	Intermediate programming, data analysis (Python)
<u>CSE 180</u> *	Introduction to data science (Python)
CSE 373	Data structures and algorithms
<u>CSE 374</u>	Low-level programming and tools (C/C++)
CSE 412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

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

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! (<u>Here are some ideas</u>)
 - 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 Me (Almost) Anything!