You Made It!
Announcements

- P3 due **Wednesday tonight at 11:59pm**
- R7 due **Friday Sunday (3/10)**
- **New:** R8 also due **Sunday (3/10)**
- Final exam next **Tuesday (3/12), 12:30-2:20**
  - Read [exam policies](#)
    - 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**

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

**Non-CSE Majors/Open to All (*)**

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

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!