

CSE 121

Elba Garza

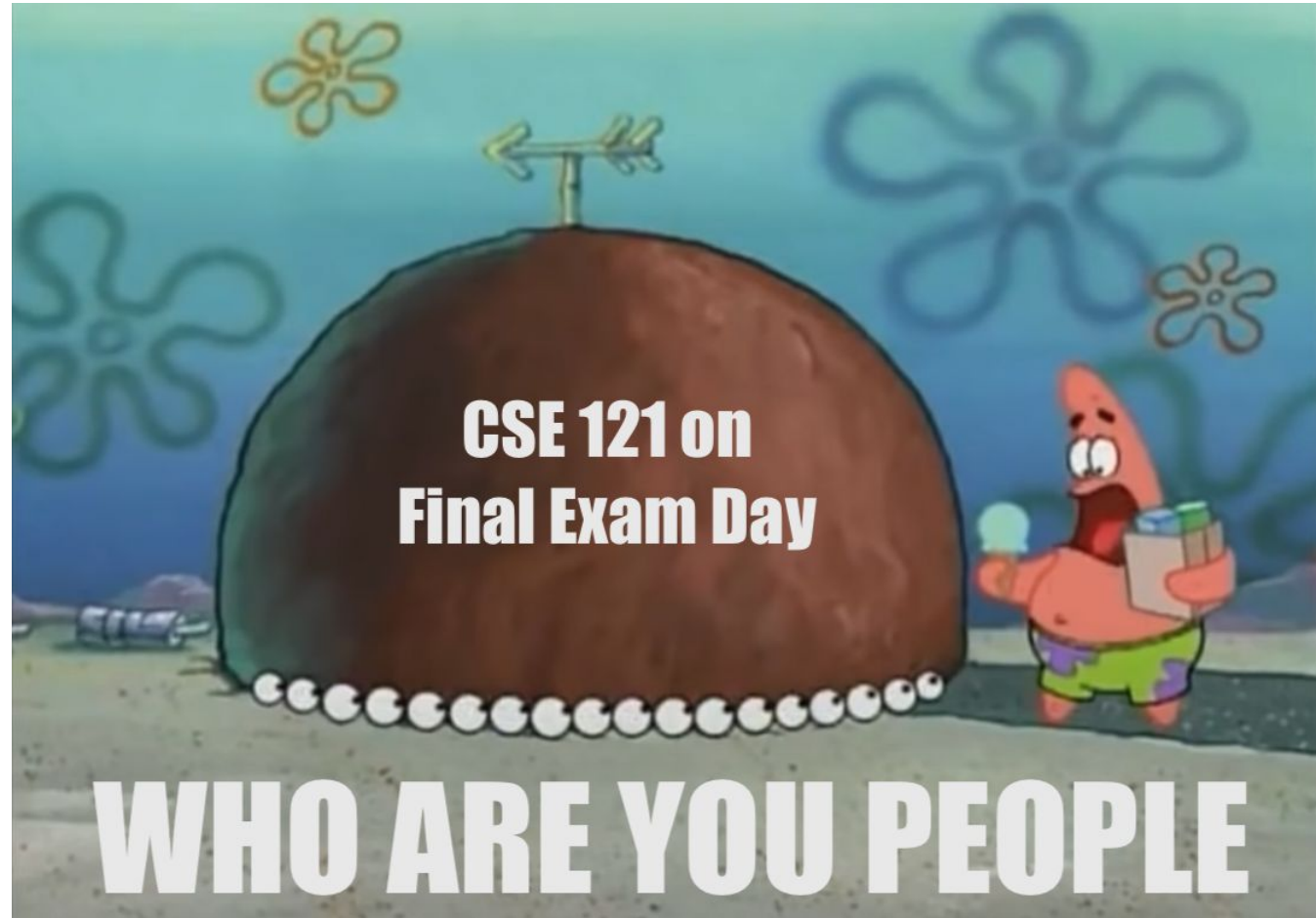
Winter 2023

Join at
slido.com
#1476 967



Announcements, Reminders

- [Final Exam web page](#) on class website
 - Exam: March 14th at 12:30 - 2:20 PM in KNE 110 & KNE 130
 - **Review Session:** Monday 1:30 - 3:30 PM at SAV 260



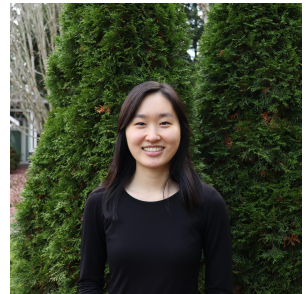
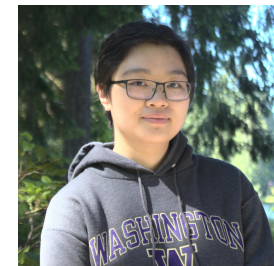
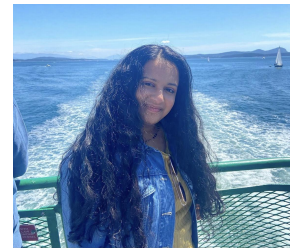
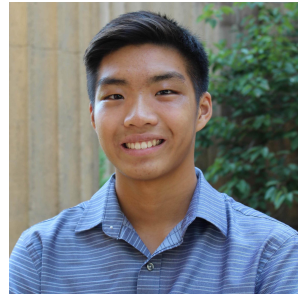
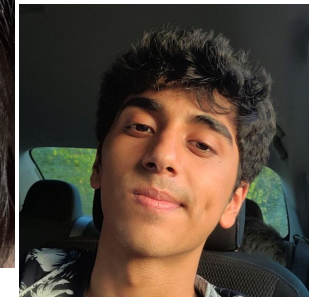
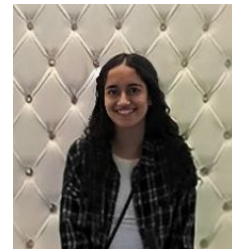
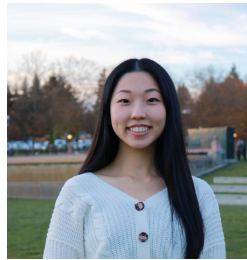
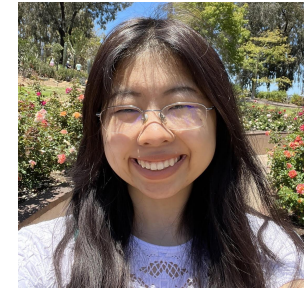
Announcements, Reminders

- [Programming Assignment 3](#) due tonight at 11:59 PM
- [Resubmission Form](#) for R7 out; due March 14th at 11:59 PM
- Quiz Grading: Q1 Retakes will come out **tonight**—Ed announcements as always!
- Course evaluations out; please fill out!



Come meet Gigi on Monday 3/13 from 1 PM to 3 PM by the Drumheller Fountain!

Thank your TAs!



Learning Objectives

or, “What did I learn in this class?”

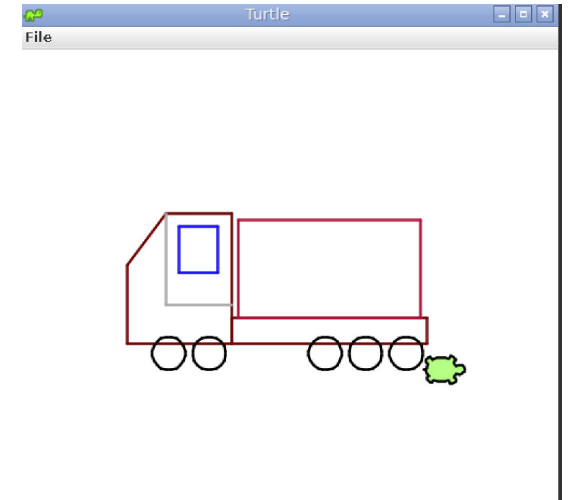
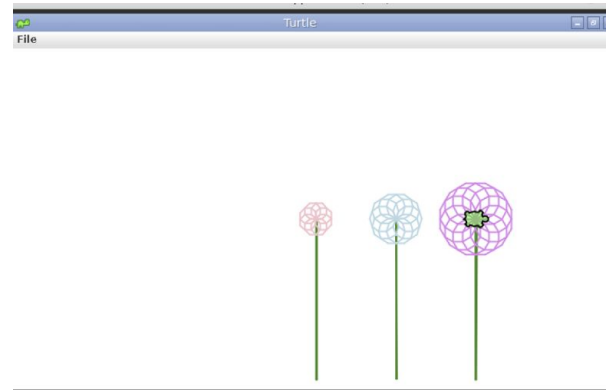
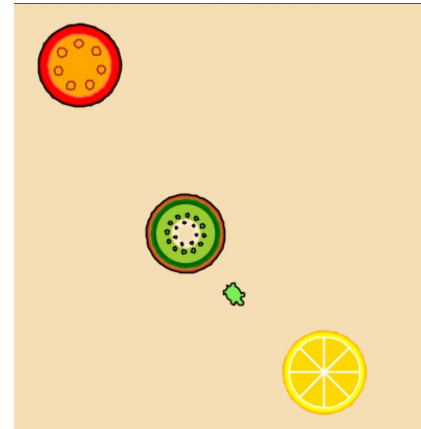
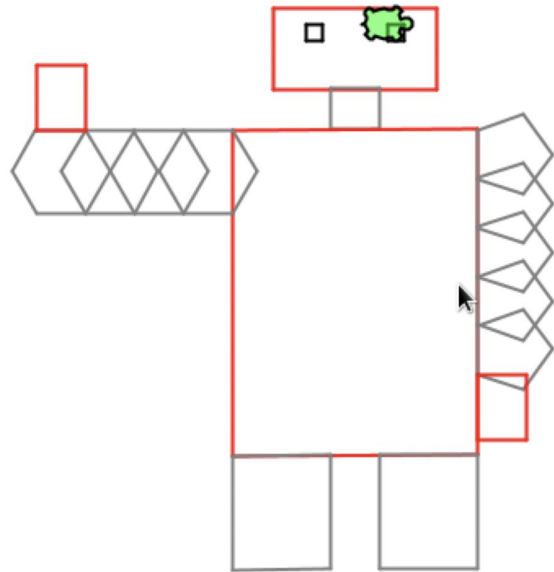
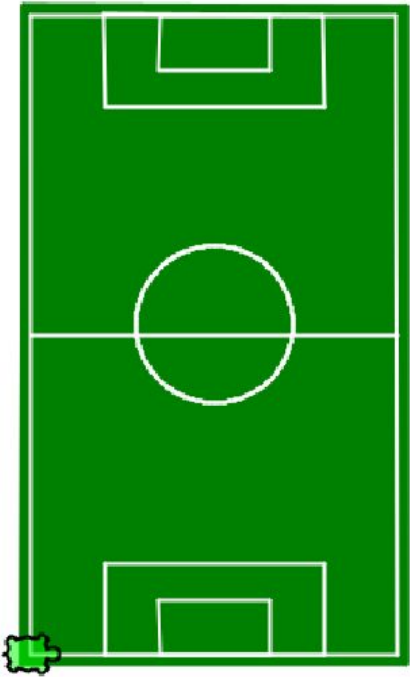
- 1. Computational Thinking** Create an algorithm to solve a given problem and express that algorithm in a structured way (e.g. pseudocode)
- 2. Comprehension** Trace and predict the behavior of programs and systems
- 3. Code Writing** Write functionally correct Java programs that meet a provided specification using control structures, primitive data types, and basic data abstractions
- 4. Communication** Clearly and effectively describe the behavior of a given code snippet
- 5. Debugging** Identify errors in a method’s behavior & implement fixes for identified errors
- 6. Decomposition** Solve problems by breaking them into subproblems and recombining the solutions using techniques such as methods
- 7. Ethics/Impact** Describe ethical and sociotechnical issues related to software and technology and explain how their choices as programmers can impact those issues



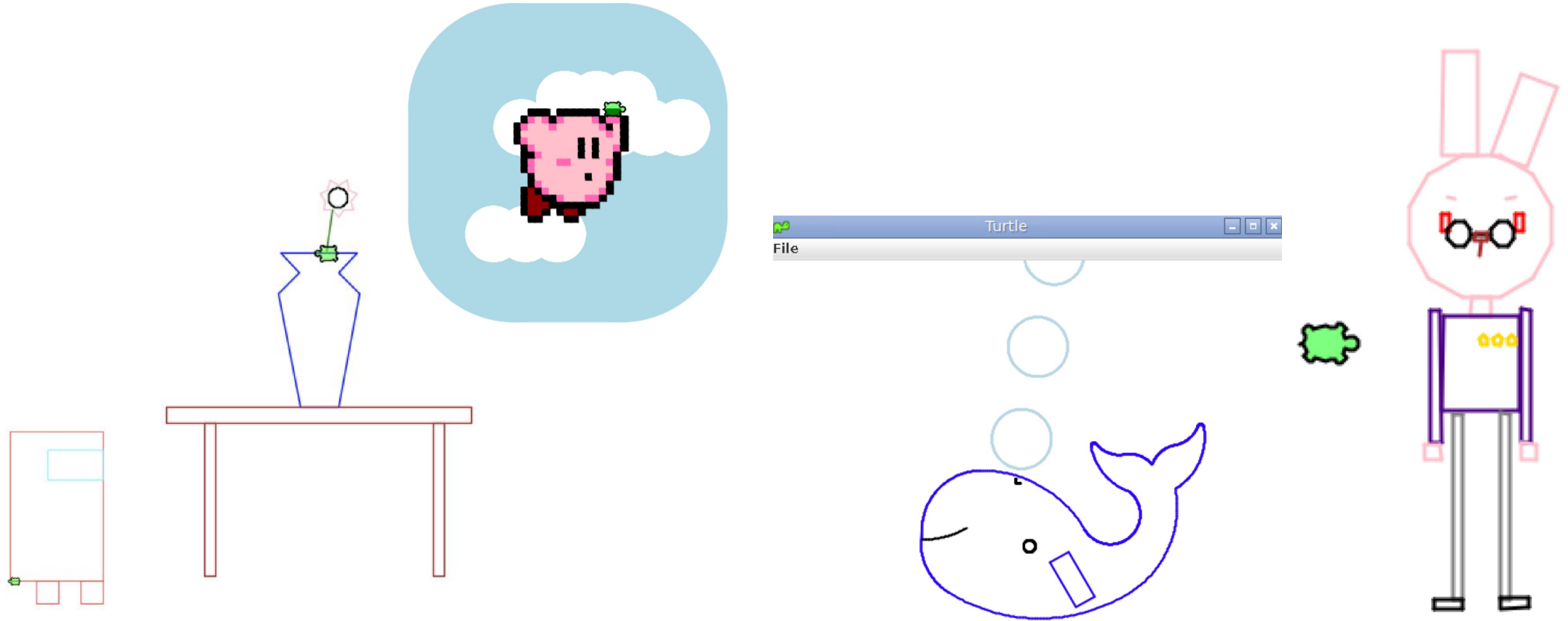
Digression: Macarons!



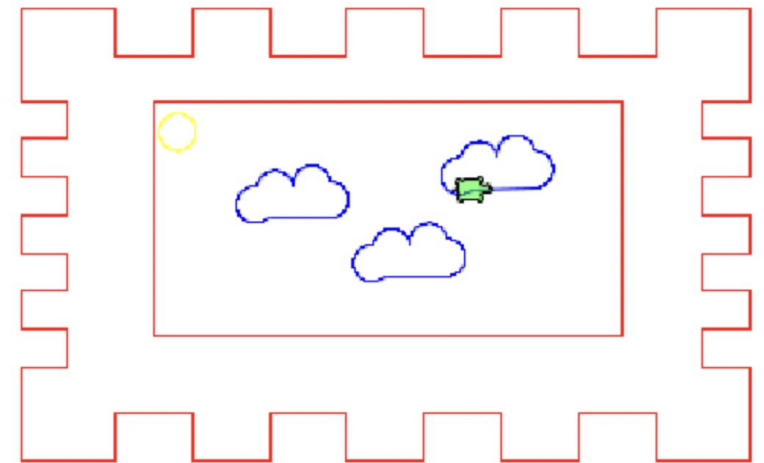
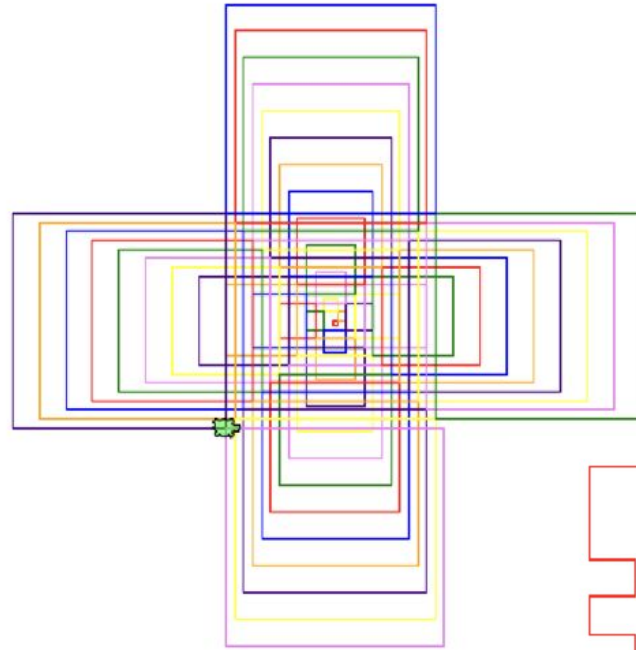
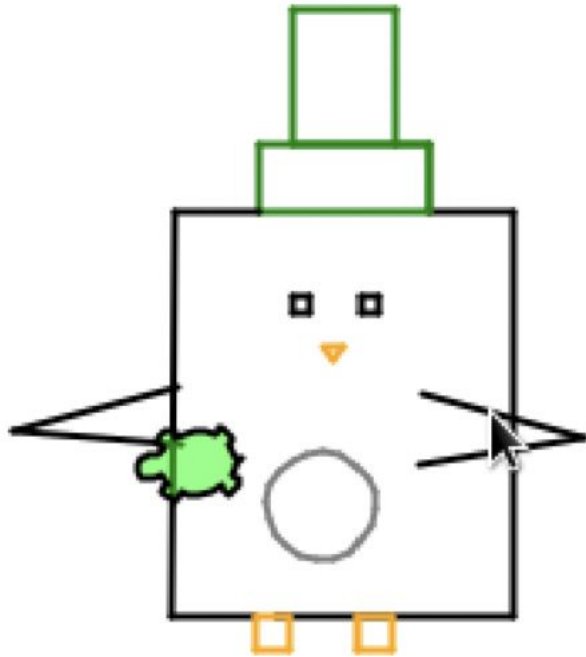
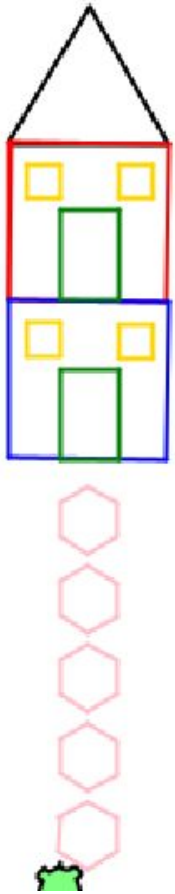
You made some pretty cool crafts yourself!



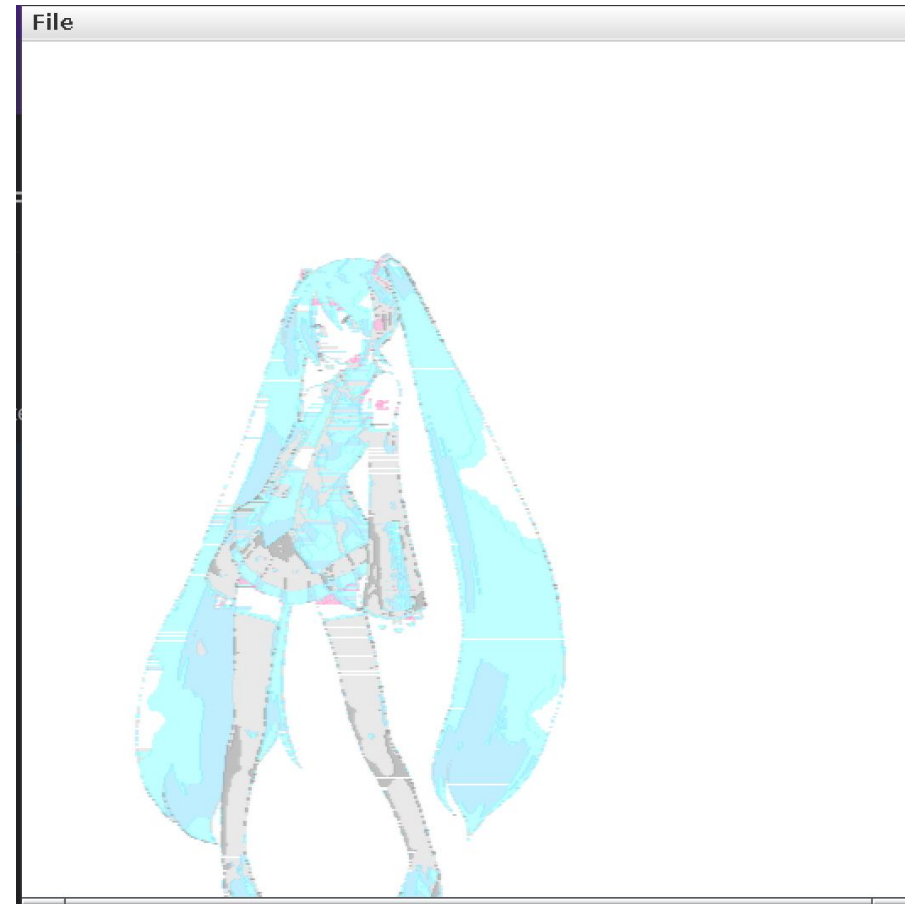
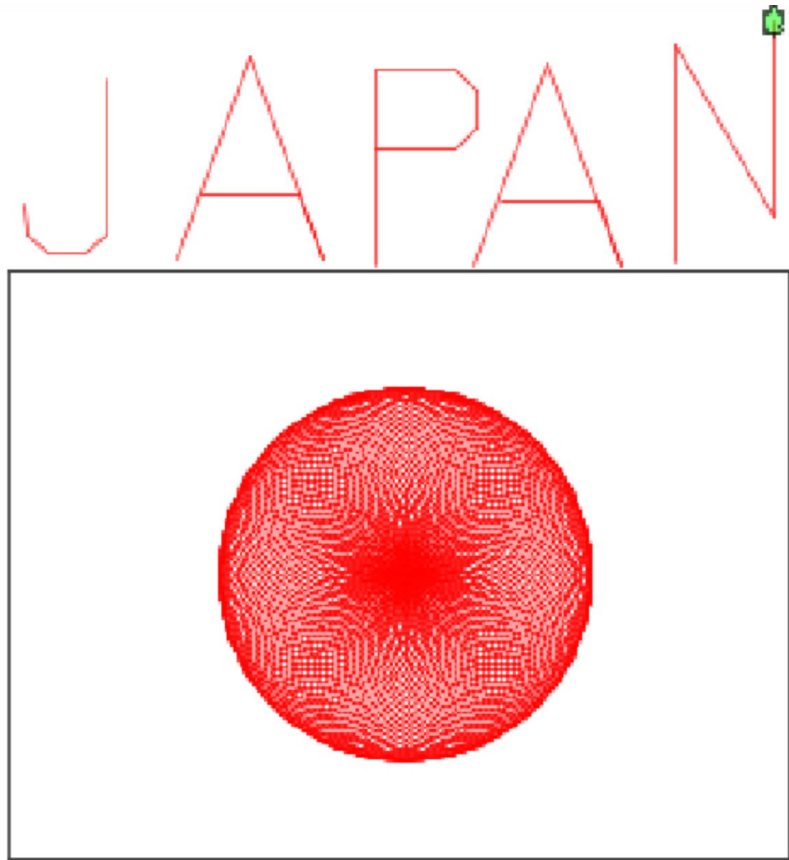
You made some pretty cool crafts yourself!



You made some pretty cool crafts yourself!



You made some pretty cool crafts yourself!



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 & Identintify cheating in chess
- And so much more!

Future Courses

or “What can I do next?”

Course	Overview
CSE 122	Introduction to Computer Programming II
CSE 123	Introduction to Computer Programming III

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-majors

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 (non-majors)
CSE 374	Low-level programming and tools (C/C++)
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! ([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)

Thank you!

Ask Me (Almost)
Anything!

