

SAMANTHA NGUYEN

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🌐 samanthanguyenn

projects

education

University of California
Berkeley
Computer Science
May 2019

Coursework:
CS 61A (Python)
CS 61B (Java; Data Structures)
currently enrolled

skills/tools

| | |
|--------|-----------|
| Python | IntelliJ |
| HTML | GitHub |
| Java | Photoshop |

interests

Super Smash Bros
DIY Projects
Jeopardy!
In-N-Out
Reddit
Hiking

CS61B: Data Structures

January 2017 | Java

- Built list & array implementations under a Double Ended Queue interface using circular sentinel topology
- Ensured memory usage was proportional to the number of items
- Created a JUnit autograder to randomize testing and show the sequence of operations that caused the failure

CS61A: Ants. Vs. Bees

June 2016 | Python

- Combined the functional and object-oriented programming paradigms
- Assigned objects to data values with individual methods and attributes to create a tower defense game

CS61A: Interpreter

July 2016 | Python

- Developed a Scheme interpreter in Python
- Utilized functional programming to evaluate symbols, special forms, lambda expressions, user-defined procedures
- Implemented Scheme procedures as the final product

activities

Computer Science Instructor

Girls Who Code | Albany, CA

- Running a class of 25 girls 11-14 years old
- Constructing lesson plans to explore the fundamentals of Computer Science — loops, variables, conditionals, functions
- Aiming to close the gender gap in STEM through building the largest pipeline of future female engineers in the United States

Berkeley Political Review Tech Department

UC Berkeley | Berkeley, CA

- Maintaining the website and helping with the design of a new web interface for an enhanced user experience
- Working on a BPR app to allow users to receive new article notifications and increase their reading convenience

samthanguyenn.github.io/me