

Brian Huang

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Education

University of California, Santa Cruz
BS in Computer Science

Sept. 2021 - Present (Expected Fall 2025)
Overall GPA: 3.845

Relevant Coursework

CSE 30 Programming Abstraction: Python

Sep. 2021 - Dec. 2021

- Advanced Python Course that covered basic data structures and recursion to generators, motion detection, and scheduling with dependencies. We also learned to use libraries like NumPy and Matplotlib.

CSE 12 Computer Systems and Assembly Language and Lab

Jan. 2022 - Mar. 2022

- Beginner Assembly and C language class that introduced us to basic circuitry and the Assembly language. We learned to create loops and allocate memory in RISC-V.

CSE 16 Applied Discrete Mathematics

Jan. 2022 - Mar. 2022

- Discrete Math course that introduced us to the area of Combinatorics. In this class, we learned about proofs like induction, contradiction, and direct.

CSE 13S Computer Systems and C Programming

Mar. 2022 - Present

- In this class, we are going through more advanced topics in C within a Linux environment. We learn about data structures like stacks, linked lists, and queues. We also cover memory allocation and its relation to the heap.

Projects

Motion Detection

Sept. 2021 - Nov. 2021

- Course project where I developed the basic core of PyTorch to detect motion while also blocking out unnecessary motion.

Bus System

Nov. 2021 - Dec. 2021

- Course project that simulated the bus system that runs throughout the campus of UCSC. I also modeled people getting on and off the bus at certain stops.

Discord Bot

July 2021 - Aug. 2021

- Developed a Discord bot that responded to commands and comments from specific members to create a more fun and interactive channel.

Skills

Programming Languages

- Java, C, Python

Software Tools

- Linux, Git, GitHub, Visual Studio Code, WSL

Honors

UCSC Honors

Fall 2021

- Dean's Honor List (Fall 2021)

Activities and Societies

UC Santa Cruz Ooze Ultimate Frisbee Team

Sept. 2021 - Present

UC Santa Cruz Badminton Team

Jan. 2021 - Present