

EDMOND POON

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EDUCATION

University of California, Santa Cruz

Santa Cruz, CA

BS, Computer Science - *GPA: 4.0*

- Expected Graduation: December 2023

- Dean's List: Fall 2020 - Spring 2022
- Coursework: Principles of Computer Systems Design, Full Stack Web Development, Computational Models, Introduction to Analysis of Algorithms

EXPERIENCE

University Of California, Santa Cruz

Santa Cruz, CA

Group Tutor - Programming Abstraction

September 2021 - March 2022

- Hosted group study sessions for 25+ students.
- Assisted over 100 students with assignments regarding a range of software development topics.
- Helped over 25 students with topics related to the Python language.

PROJECTS

Portfolio - React, Javascript, HTML, and CSS

August 2022

- Create a responsive portfolio website containing information on my projects.
- Used React, Javascript, HTML, and CSS to dynamically change the content.
- Separates content from style and provides a smooth and clean interface.

Full-Stack Email Manager - Express, Javascript, CSS, HTML, React, PostgreSQL *July 2022*

- Created a full-stack email manager that can hold data for multiple different users.
- Uses Express, OpenAPI, and Postgresql to store the user's data in a backend server.
- Allows user's to login and see, create, favorite, and move their mock emails.

Multi-Threaded HTTP Server - C

June 2022

- Created a HTTP server that supports PUT, APPEND, HEAD, and GET requests.
- Utilizes multi-threading and polling to process incoming requests over 2x faster.
- Parses requests and returns the corresponding status codes and responses depending on their validity.

Huffman Coding Compression Algorithm - C

November 2021

- Measures the frequency of each character in a file to build a tree representing them.
- Reduces the size of the file by an average of 25%.
- Implements its own hash table, priority queue, and lower-level versions of read/write functions.

SKILLS

Languages:

Python, Javascript, C, HTML

Technologies:

Express, React.js

Soft Skills:

Adaptability, Creativity, Organizational, Critical thinking