Ethan Perlada

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Education

University of California Santa Cruz | Santa Cruz, CA   Sep 2018 - Dec 2021

Bachelor of Science, Computer Science - GPA: 4.00

- **Coursework:** Intro. to Analysis of Algorithms, Intro. to Data Structures, Database Systems, Principles of Computer Systems Design, Web Applications, Computer Architecture

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Projects

Email Web App | JavaScript, Node.js, Express, React, PostgreSQL, OpenAPI

- Developed a full stack web application allowing a user to view and send emails hosted on a server
- Built a RESTful API using OpenAPI and Express to fetch/store emails and user info
- Designed frontend with React and Material-UI which makes API calls to Node.js backend to retrieve and send emails stored in PostgreSQL database

RiotResponses Reddit Bot | Python, MySQL

- Developed a bot to keep track of comments from Riot Games employees in the VALORANT subreddit using the Reddit API
- Implemented connection to a MySQL database to store submission IDs, with a MySQL scheduled event automatically removing old submission IDs
- Deployed to Google Cloud Platform

MWST Finder | C

- Created a program to determine a minimum weight spanning tree (MWST) of a graph
- Parsed a formatted text file to construct an edge list representation of a graph
- Utilized Kruskal's algorithm to find MWST, and Union-Find to detect cycles

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Skills

C, Python, JavaScript, Node.js, Express, React, SQL, PostgreSQL, HTML, CSS, Git, Vim, VS Code

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Activities

Tech Crew Coordinator, Bayanihan | Santa Cruz, CA   Jun 2020 - Present

- Oversees planning of Tech Crew events and logistics along with 1 co-coordinator
- Works with PCC Core in planning and production of Pilipino Cultural Celebration, a student-run production at UC Santa Cruz showcasing Filipino history and culture
- Collaborates with Bayanihan Core to help serve the Filipino-American community at UC Santa Cruz through meetings and events

Tech Crew Intern, Bayanihan | Santa Cruz, CA   Feb 2020 - Jun 2020

- Worked with 2 coordinators and 1 co-intern in organizing and running a fundraiser which raised $137 for Tech Crew