Aevin Chaz Eliares

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EDUCATION

Bachelors of Science in Computer Science 06/2020 – 06/2024
University of California, Santa Cruz - Class of 2024 Santa Cruz
- Dean's Honors List: Fall 2020, Winter 2021, Spring 2021

Revelant Coursework: Data Strucutres & Algorithms, Computer Systems Design, Database Systems I, Full Stack Web Development I, Applied Machine Learning: Deep Learning

TECHNICAL SKILLS

Languages: Python, Swift, C, C++, SQL, HTML/CSS, JavaScript

Technologies: Git, UNIX, MySQL, PostgreSQL, NodeJS, ExpressJS, React, Docker

PROJECTS

Slug Slack 01/2024 – present
ReactJS, ExpressJS, NodeJS, PostgreSQL
- Designed a full-stack app that replicates the functionality of Slack using ReactJs, ExpressJs, and PostgreSQL as a database
- Implemented CRUD operations, a REST API using OpenAPI, and JWT user authentication to secure user accounts.
- Utilized Docker to ship and deploy software on the server, ensuring scalability and compatibility.

Multi-Threaded HTTP Server 04/2023 – 06/2023
C Programming Language
- Developed an HTTP Server that is able to serve multiple clients simultaneously
- Utilized a thread-safe queue in order to handle multiple client requests, outputting the requests handled to an audit log in order to identify the linearization of our server

GPS Program 03/2022 – 06/2022
C Programming Language
- Developed program that gives user's the most optimal path to a destination using directed graphs
- Utilized stacks to develop functions for the graph, path, and stack aspect
- Uses a DFS and BFS algorithm that traverses various paths the graph can travel through while simultaneously outputting the most optimal one

Wordle Solver 01/2022 – 03/2022
C Programming Language
- Designed a program to replicate the online puzzle game Wordle
- Developed an algorithm and optimizes and sorts each word to guide users through their game of Wordle.
- Utilized hash table and dynamic memory allocation to sort words within green, grey, and red stages for in-game user prediction

AWARDS

California Mayor's Cup 2019 First Place 06/05/2019
Cyber-Guild
Demonstrated knowledge of core concepts of cyber-security through a competition where teams helped find, suppress, and kill commands planted on eleven simulated machines from points across the globe to prevent an attack from America's power grid.