Jason Wong

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Education

Computer Science, B.S. & Minor in Mathematics California State University, Fullerton   June 2022
Mathematics, AS-T Pasadena City College   June 2020

Coursework

- File Structures & Database Systems
- Computer Organization
- Data Structures
- Unix Scripting
- Discrete Mathematics
- Object-Oriented Programming

Skills

Languages: Python, C++, Java, JavaScript/TypeScript, HTML/CSS, LaTeX, Dart, SQL, R
Libraries/Frameworks: Bootstrap, Flask, Node.js, Flutter
Tools/Software: git, Unix/Linux, AWS, Google Cloud Platform, SQLite

Projects

Spotify Seasonal Playlist Sorter | Python   April 2020

- Worked in a team to develop a web app that places liked songs on Spotify into playlists grouped by seasons
- Developed and designed the frontend and deployed the app onto an AWS EC2 instance
- Added a SQLite database to manage user data and playlists
- Used the Spotify REST API and Flask

APPE Regional Draft Analysis | Python   January 2021

- Monte Carlo simulation to forecast the probability of pharmacy students getting their preferred region for their Advanced Pharmacy Practice Experiences (APPE) rotations

SQL Relational Database System | C++   June 2019

- Developed a relational database management system that supports a subset of SQL commands
- Implemented a B+Tree to index database entries for fast querying
- Implemented an SQL command parser with syntax error checking

Sushi Shop | Java   May 2017

- Led a team to develop a sushi making game where players are given a randomized sushi order and must move a plate to catch falling ingredients to construct the order

Work Experience

Nex-ii LLC, Twiine Full Stack Developer, twiine.com   June 2020 - September 2020

- Built a planning and user profile page with support for live updates
- Developed the backend login and signup flow with support for Google, Facebook, and Email authentication
- Designed and implemented the API allowing users to schedule hangouts and send invitations to other users
- Optimized the database to minimize the number of queries for per document read billing
- Used Flutter to build the mobile app and Node.js + Python on Firebase to build the backend

PCC Learning Assistance Center Computer Science Learning Assistant   January 2019 - December 2020

- Worked one-on-one with students to teach computer science concepts and debugging techniques
- Worked with professors to help improve lectures and build long term study habits within students
- Provided assistance to students with software issues in classrooms and computer labs
- Assisted and advised staff on the transition to remote tutoring during the COVID-19 pandemic

Leadership

She.Codes Webmaster, Treasurer   September 2019 - June 2020

- A club at Pasadena City College that aims to create a community for women in the tech industry
- Hosted a workshop introducing members to the basics of git and version control