

Jason Wong

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Education

Pasadena City College

August 2017 - June 2020

- **Degree:** Mathematics, AS-T
- **Area of Study:** Computer Science
- **Coursework:** Unix Scripting, Discrete Mathematics, Data Structures, Object-Oriented Programming

California State University, Fullerton

August 2020 - Present

- **Degree:** Computer Science, B.S. (Expected 2022)

Projects

Spotify Seasonal Playlist Sorter

Developer / Maintainer

github.com/jaasonw/spotify-new-music-sorter

- Worked in a team to develop a web app in Python that places liked songs on Spotify into playlists grouped by seasons using the Spotify Web API
- Developed and designed the frontend using Flask and Bootstrap
- Deployed the app onto an AWS EC2 instance

SQL Relational Database System

Developer

github.com/jaasonw/Database

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

Graphing Calculator

Developer

github.com/jaasonw/graphing-calculator

- Developed a graphing calculator in C++ and SFML using a modular, object-oriented design
- Plots 2D cartesian functions with panning, zooming, and controlling individual graph visibility
- Implemented the shunting yard algorithm to parse mathematical expressions to postfix notation with respect for order of operations

Sushi Shop

Developer

github.com/jaasonw/sushi-shop

- Led a team to develop a sushi making game in Java and JavaFX
- Developed a game where the player is given a randomized sushi order and must move a plate to catch falling ingredients to construct the order
- Designed and built an object-oriented game engine framework and implemented game logic

Work Experience

PCC Learning Assistance Center

Computer Science Tutor / Lab TA

January 2019 - June 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

Involvements

She.Codes

Webmaster, Treasurer

September 2019 - June 2020

- A club at PCC that aims to provide a sense of community and support to women in the tech industry
- Wrote and sent weekly newsletters to club members
- Hosted and co-hosted workshops during club meetings
- Designed and maintained the club website

Skills

Languages: C++, Python, Java, JavaScript/TypeScript, HTML/CSS, \LaTeX , bash

Libraries/Frameworks: Bootstrap, Flask, jQuery, Node.js

Tools/Software: git, Unix/Linux, Amazon AWS