

Jason Wong

Monterey Park, CA / jayywong92@gmail.com

github.com/jaasonw
linkedin.com/in/wayson

EDUCATION

Pasadena City College

August 2017 - Present

- Major: Computer Science
- Major GPA: 3.42

Coursework

- Discrete Structures
- Object-Oriented Programming in Java
- AP Computer Science A
- Data Structures
- Object-Oriented Programming in C++
- Intro to Computer Science

PROJECTS

SQL Database

- Developed a miniature SQLite clone in C++ that stores tables locally in binary files
- Supports a subset of SQL commands (SELECT, INSERT INTO, CREATE TABLE, DROP)
- Implemented a B+Tree for indexing
- Implemented a string tokenizer and SQL parser using a state machine

Graphing Calculator

- Developed a simple graphing calculator in C++ that plots 2d cartesian functions, like Desmos
- Uses an input tokenizer and the shunting yard algorithm to convert an infix expression to postfix notation to be evaluated
- Used SFML as a renderer

Sushi Shop

- Worked in a team to develop a sushi making game in Java
- Player is given a randomized sushi order and must move a plate to catch falling ingredients to construct the order
- Uses JavaFX as the primary GUI library and the JavaFX canvas as the primary renderer
- Designed the game engine framework

WORK EXPERIENCE

- **Teacher's Assistant** Intro to CS, Object Oriented Programming Winter 2019, Summer 2019
 - Worked with students to help debug code, understand concepts, and work out solutions for assignments
 - Worked with the professor to learn how to more effectively assist students
 - Helped troubleshoot problems with the classroom's computers
- **Tutor** Intro to CS, Object Oriented Programming Spring 2019
 - Worked one-on-one with students that need assistance with programming assignments or debugging

INVOLVEMENTS

- **PCC She.Codes** | Webmaster Fall 2019

SKILLS

Languages: C++, Python, Java, JavaScript/TypeScript, HTML/CSS, Bash

Libraries/Frameworks: jQuery, SFML, Node.js, discord.py, discord.js, Bootstrap

Tools/Software: git