Jason Wong

Monterey Park, CA / (626)–235–7679 / jayywong92@gmail.com

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

EDUCATION

Pasadena City College
August 2017 - Present

- Major: Computer Science
- Major GPA: 3.31
- Expected Transfer: Fall 2019
- Expected Graduation: 2021

Relevant Coursework

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

PROJECTS

SQL Database
C++

- Developed an SQLite clone in C++ from scratch
- Supports a subset of SQL commands (SELECT, INSERT INTO, CREATE TABLE, DROP)
- Supports indexing tables for fast querying
- Stores tables locally in binary files
- Implemented a string tokenizer and SQL parser using a state machine
- Implemented data structures from scratch: B+Tree, Map, Multimap, Stack, Queue

Graphing Calculator
C++, SFML

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

Sushi Shop
Java, JavaFX, Canvas

- Led a team to develop a sushi making game.
- 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 game engine framework

WORK EXPERIENCE

- Teacher's Assistant Object Oriented Programming (Java), Winter 2019 Intersession
  - 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 (Java, C++), Spring 2019 Semester (Present)
  - Worked one-on-one with students that need assistance with programming assignments or debugging

Skills

Languages: C++, Python, Java, JavaScript/TypeScript, HTML/CSS
Libraries/Frameworks: jQuery, SFML, Node.js, discord.py, discord.js, Bootstrap
Tools/Software: git, Photoshop