

# Jason Wong

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## Education

### California State University, Fullerton

August 2020 - Present

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

### Pasadena City College

August 2017 - June 2020

- **Degree:** Mathematics, AS-T
- **Coursework:** Computer Organization, Unix Scripting, Discrete Mathematics, Data Structures

## Skills

**Languages:** C++, Python, Java, JavaScript/TypeScript, HTML/CSS, L<sup>A</sup>T<sub>E</sub>X, Dart

**Libraries/Frameworks:** Bootstrap, Flask, Node.js, Flutter, Firebase

**Tools/Software:** git, Unix/Linux, AWS, Google Cloud Platform

## Work Experience

### Nex-ii LLC, Twiine

Full Stack Developer

June 2020 - September 2020

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

### PCC Learning Assistance Center

Computer Science Learning Assistant

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

## Projects

### Spotify Seasonal Playlist Sorter

Developer

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
- Used Python with Flask and the Spotify REST API

### SQL Relational Database System

Developer

June 2019

- 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

### Sushi Shop

Developer

May 2017

- Led a team to develop a sushi making game in Java
- 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

## Extracurriculars

### She.Codes

Webmaster, Treasurer

September 2019 - June 2020

- A club at PCC that aims to create a community for women in the tech industry
- Wrote and sent weekly newsletters to club members
- Hosted a workshop introducing members to the basics of git and version control
- Designed and maintained the club website