

# Jason Wong

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## Education

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

June 2023

June 2020

## Skills

**Languages:** Python, C++, Java, JavaScript/TypeScript, HTML/CSS,  $\text{\LaTeX}$ , Dart, SQL, R, MATLAB

**Frontend/Mobile:** React (Next.js, Gatsby), Svelte, Three.js, React Native, Flutter

**Backend/DevOps:** Express.js, Flask/FastAPI, Node.js, Docker, PostgreSQL, SQLite, MySQL, NGINX, Github Actions

## Experience

**TuffyHacks** Technology Officer

September 2021 - Present

- Built a mobile responsive hackathon landing page to promote the event, reaching 1000+ students globally
- Developed the hacker dashboard for participants to join and create teams
- Designed a PostgreSQL database to replace the Firestore database, allowing us to scale to our 300 user target while reducing our effective hosting costs to \$0
- Created API endpoints using serverless functions, allowing hackers to create and join teams via invite link
- Used Next.js, Node.js, PostgreSQL, and Firebase Auth. Hosted on Vercel

**Nex-ii LLC, Twiine** Full Stack Developer, twiine.com

June 2020 - September 2020

- Built a planning and user profile page on the mobile app with support for live updates
- Developed the backend login and signup flow with OAuth support for Google, Facebook, and Email authentication
- Designed and implemented the API allowing users to schedule hangouts and send invitations to other users
- Used Flutter, Node.js, and Python on Firebase

**PCC Learning Assistance Center** Computer Science Learning Assistant

January 2019 - December 2020

- Worked one-on-one with 40+ students for over 150 sessions to teach computer science concepts and debugging techniques
- Worked with professors as TA for 3 courses to help improve lectures and build long term study habits within students
- Assisted and advised staff on the transition to remote tutoring during the COVID-19 pandemic

## Projects

**Portfolio Website** Javascript

July 2021

- Developed a website following mobile responsive design practices to showcase some of my work
- Built from scratch using React on Next.js, ChakraUI, and Framer Motion and deployed on Netlify

**Spotify Seasonal Playlist Sorter** Python

April 2020

- Co-developed a web app using Flask and the Spotify REST API that places liked songs into playlists grouped by seasons
- Developed and designed the frontend and deployed the app onto an AWS EC2 instance
- Designed a SQLite database allowing for per user error logging, token storage, and playlist caching, minimizing API calls

**SQLite Clone** 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
- Developed the graphics engine using the Java Swing and JavaFX libraries

## Leadership

**CSUF Association for Computing Machinery (ACM)** Historian

February 2022 - Present

**CSUF Association of Chinese Students** Treasurer

May 2021 - Present

**PCC She.Codes** Webmaster, Treasurer

September 2019 - June 2020