Jason Wong

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Education

California State University, Fullerton August 2020 - May 2023

Bachelor of Science in Computer Science, Minor in Mathematics

Experience

Software Development Engineer Intern May 2022 - August 2022

Amazon, Personalization

- Develop internal tooling with **Python** that integrates with the **ETL Pipeline**, enabling the Customer Interests team to efficiently aggregate and convert thousands of binary labeling data into high confidence datasets to train and benchmark the performance of their machine learning models and recommendation algorithms, serving more relevant product recommendations to Amazon shoppers
- Create an **AWS CDK** application in **TypeScript** to programmatically provision and configure resources, including **AWS Lambda** functions, **DynamoDB** databases, and **IAM** users to distribute read and write permissions
- Design and implement a **DynamoDB** database to store and query labeled datasets
- Implement unit and integration tests with 100% branch and statement coverage where applicable

Frontend Developer September 2021 - February 2022

TuffyHacks 2022

- Spearheaded the creation of a mobile-responsive frontend using **React (Next.js)** for TuffyHacks, an MLH-sponsored hackathon, featuring an impactful landing page that reached and engaged a global audience of thousands of students and a dashboard that facilitated team formation and showcased real-time event updates and announcements
- Architected backend infrastructure, leveraging **AWS Lambda** functions and a **PostgreSQL** database, enabling hackers to effortlessly establish and join teams through personalized invite links, achieving exceptional performance by ensuring 100% uptime and minimal latency, amidst peak traffic from hundreds of users
- Collaborated closely with the design team to establish a consistent design language and deliver a user-centric interface, optimizing the user experience and enhancing overall user experience

Mobile and Backend Engineer Intern June 2020 - September 2020

Twiine

- Spearheaded the development of the Minimum Viable Product (MVP) for a date and hangout planning mobile application using the **Flutter** framework
- Designed and implemented key app features, including the planning and user profile interfaces, incorporating real-time updates for request acceptances and profile changes
- Orchestrated a seamless user experience by crafting a secure and efficient login and signup flow, integrating **OpenID** and **OAuth** protocols for streamlined authentication via Google, Facebook, and Email
- Implement the API endpoints to enable users to schedule hangouts and extend invitations to fellow users seamlessly

Computer Science Learning Assistant January 2019 - December 2020

Pasadena City College, Learning Assistance Center

- Mentored and instructed individual students through numerous personalized sessions, crafting innovative and user-friendly lessons that explained intricate Computer Science concepts effectively
- Assisted and advised staff on the transition to remote instruction during the COVID-19 pandemic, advising leadership on best practices for facilitating effective virtual learning experiences
- Provided technical support by diagnosing and resolving computer-related issues for both students and staff within the center, contributing to a seamless learning environment

Projects

SWEify

Javascript, Python, FastAPI, Scrapy, Next.js, React, TailwindCSS

- Aggregates data from multiple job boards and curates a list of Software Engineering positions for entry level and intern job seekers

Spotify Seasonal Playlist Creator

Javascript, Python, Flask, Spotify REST API, Next.js, Docker Compose, NGINX

- Develop a service that places liked songs into playlists grouped by seasons. Currently serving a user base of 20+ individuals

Skills

Languages: JavaScript/TypeScript, HTML/CSS, Python, C++, Rust, Go, Java, LaTeX, Dart, SQL, R, MATLAB

Web: React, Next.js, Svelte, Figma, TailwindCSS, SCSS, 11ty, Express.js, Flask, FastAPI, Node.js, PostgreSQL, SQLite, MySQL

DevOps: Amazon Web Services (API Gateway, CDK, CloudFormation, DynamoDB, Lambda, S3), Firebase, Docker, NGINX