Jason Wong

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Experience

Amazon, Personalization Software Development Intern   May 2022 - August 2022
- Design and develop complex systems that create high confidence "golden datasets"
- Train, analyze, and improve model performance resulting in less developer overhead and reduced data labeling costs
- Develop automations to process, transform, and upload labeling data in response to a completed Ground Truth job
- Parallelized dataset uploads with multithreaded insertions, increasing upload performance
- Design and implement a DynamoDB schema to store and query labeled datasets
- Implement unit and integration tests with 100% branch and statement coverage where applicable
- Configure a CI/CD pipeline for automated deployments and provisioned AWS resources using CloudFormation

Association for Computing Machinery at CSUF Historian, Website Developer   April 2021 - Present
- Serve as official board member for the largest Computer Science club on campus
- Develop useful features for blog entries including read time estimates and syntax highlighting on code blocks
- Construct informative articles informing students about complex topics not frequently taught in classes
- Perform thoughtful code review by giving meaningful feedback and inciting discussion on Web Development best practices
- Mentor budding developers by providing useful documentation and pointers

TuffyHacks 2022 Website Developer   September 2021 - February 2022
- Built mobile responsive web frontends, specifically the landing page, promoting the event to thousands of students, and the dashboard, facilitating team creation and displaying live event announcements
- Design scaleable and fault tolerant backend using serverless technologies and a PostgreSQL database, staying within cloud computing free tiers, effortlessly handling peak traffic during the event

Nex-ii LLC, Twiine Full Stack Developer   June 2020 - September 2020
- Built the MVP of a date and hangout planning mobile app using Flutter. Most notably, developed the planning and user profile pages, with support for live updates when requests are accepted and profiles are updated
- Develop login and signup flow with OpenID/OAuth support for Google, Facebook, and Email authentication
- Design and implement the API endpoints allowing users to schedule hangouts and send invitations to other users

PCC Learning Assistance Center Computer Science Learning Assistant   January 2019 - December 2020
- Worked one-on-one with 40+ students for 150+ sessions to teach computer science concepts
- Served as TA for 3 courses to help improve lectures and build long term study habits within students

Projects

Spotify Seasonal Playlist Sorter Javascript, Python (Flask, Spotify REST API)   April 2020
- Co-developed a web service that places liked songs into playlists grouped by seasons, currently serving 20+ users
- Developed and designed the frontend and deployed the app onto AWS Lambda functions
- Designed a SQL database allowing for error logging, token storage, and playlist caching, minimizing API calls
- Rearchitected and rebuilt the service with serverless technologies, reducing maintenance and eliminating hosting fees

Sushi Shop Java (Swing, JavaFX)   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 capable of rendering simple 2D sprites

Skills

Languages: Python, C++, Java, JavaScript/TypeScript, HTML/CSS, LaTeX, Dart, SQL, R, MATLAB
Frontend/Mobile: React (Next.js, Gatsby), Svelte, Three.js, React Native, Flutter
Backend: Express.js, Flask/FastAPI, Node.js, Docker, PostgreSQL, SQLite, MySQL, Prisma
DevOps: Amazon Web Services (API Gateway, CDK, CloudFormation, DynamoDB, Lambda, S3), Firebase, Docker, NGINX

Education

B.S. Computer Science & Minor in Mathematics California State University, Fullerton   May 2023
A.S. Mathematics Pasadena City College   May 2020