SIMON HUANG

San Francisco, CA ☎ 415-810-3890

✉ simonhuang647@gmail.com 🔗 linkedin.com/in/sihuang5 🐙 github.com/SaltMeister

Education

University of California, Davis **Sep 2020 - Jun 2024**
Bachelor of Science in Computer Science *Davis, CA*

Coursework: Data Structures and Algorithms, Software Engineering (**Java**), Computer Networks, Operating Systems, Database Systems, Object Oriented Programming, Programming Languages (**Go, Lisp, Prolog**), Into to Artificial Intelligence, Algorithm Design and Analysis, IOS Development (**Swift UI**), Intro to Computer Graphics (**Web.gl**), Computer Visualizations (**D3.js**)

Experience

Dev/Mission **Oct 2024 – Dec 2024**
Pre-Apprentice *San Francisco, CA*
- Learned and applied vanilla **JavaScript**, **HTML**, **CSS**, and utilized **Django** to develop and deploy a drink randomization site.
- Incorporated **Airtable** DB into final project for dynamic web pages.
- Collaborated in group research project to present technical information in a digestible and easy to understand format.

Headstarter AI **Jul 2024 – Sep 2024**
Software Engineer Fellow *San Francisco, CA*
- Built and deployed 5 AI projects in 5 weeks using **React.js**, **Next.js**, **Tailwind CSS**, **Firebase**, **Vercel**, and **AWS EC2**, following **agile methodologies** with weekly sprints and incorporated **CI/CD** practices for iterative deployment.
- Developed a Rate My Professor chatbot utilizing **AI** and **RAG** to give users personalized responses accurate to their university.
- Designed a **mobile/web app** prototype in **Figma** for a tutoring center serving 100+ elementary students; incorporated interactive lessons, progress tracking, and admin performance dashboards.

Code Tenderloin **Jun 2022 – Jul 2022**
Web Development Intern *San Francisco, CA*
- Replicated webpage references utilizing **CSS Flex box** and **Grid** systems to accurately match the design.

Projects

Code Review Webtool | *Flask.py, React.js, Google Cloud, MySQL, Docker, Jest, PyTest* **Jan 2024 - Jun 2024**
- Collaborated with a **scrum** team of 4 to develop a web tool for improving the code review process.
- Built a robust **REST API** using **Flask** and **SQL Alchemy**, with over 20 working routes.
- Integrated **Vertex AI** for code auto-complete based on review comments to reduce user code review time.
- Deployed front-end and back-end services in separate **Docker** containers on **Google Cloud Run** for global access and reduced server costs.
- Achieved **65%** front-end code coverage with **Jest**, and **100%** back-end coverage with **PyTest**. Provided detailed documentation for all features and code.

Machine Learning Bill Splitter iOS App | *Swift UI, Firebase* **Jan 2024 - Mar 2024**
- Lead a team of **3** to design and prototype a bill splitting **IOS** app utilizing Machine Learning to quickly split bills between all members of a party.
- Implemented **Firebase Auth** and **Firestore** to streamline user onboarding.

Technical Skills

Languages: Python, JavaScript, HTML, CSS, C++, C#, Swift, Java
Developer Tools: MySQL, MongoDb, Google Cloud, Docker, Firebase, AWS, Postman, Figma, React Expo, Pinecone, Vercel, Git, Open AI, Trello
Technologies/Frameworks: React.js, Next.js, Tailwind CSS, Express.js, Flask, Django, Material UI, Bootstrap, Jest, Swift UI