

Steven Chan

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EDUCATION

University of Southern California Aug 2021 – May 2023
Master of Science in Computer Science: 3.67/4.0 GPA Los Angeles, CA
Relevant Coursework: Web Apps, Databases, Computer Networks

California State Polytechnic University, Pomona Aug 2018 – May 2021
Bachelor of Science in Computer Science: 3.95/4.0 GPA (Summa Cum Laude) Pomona, CA
Relevant Coursework: Object Oriented Design, Big Data Analytics and Cloud Computing

WORK EXPERIENCE

Software Engineering Intern | *React, Spring, Jenkins* May 2022 – Aug 2022
Amobee (AdTech) Remote

- Lowered ad campaign creation downtime lasting up to two weeks by building data validation on web app
- Integrated Flux data stores and Spring REST API endpoints to incur data validations uniformly
- Led project development of a team of six members by planning thirty issues on Jira, writing design and feature specifications on Confluence, and reviewing design details with design and domain experts
- Validated backend features on stage environments with Jenkins, Bash, and Git

PROJECTS

Minecraft Server Admin Console | *Go, SQLite, Docker, GCP, Terraform* Oct 2023 – Present

- Built Go/HTMX server-side web app that simplifies control of a cloud-hosted Docker Minecraft server
- Designed SQLite (SQL) database to enable authentication through HTTP session cookies
- Created 100-line Terraform scripts that deploy on Google Cloud Platform for accessibility
- Built a CI/CD pipeline on GitHub and Google Cloud Platform to save five minutes for each build

Team Lead - "Formula SAE" Vehicle Communications | *C++* Oct 2021 – Dec 2023

- Developed vehicle communication device in C++ for a team-based vehicle design competition
- Integrated comm. device with four various car components via wired CAN and sensors
- Led transition of hundred file active code-base to a newer control unit by updating code dependencies
- Onboarded five active project members by teaching C++, Git, and other libraries in live demonstrations

Backend Lead - Grocery Delivery Web App | *JavaScript, Jest, Python* Feb 2021 – May 2021

- Released a JS backend of a full-stack e-commerce web app with Firebase serverless functions
- Deployed Firestore (NoSQL) database to host thousands of data points from Python web scraping
- Developed twenty Jest unit tests on customer credential authentication to ensure data privacy
- Practiced Agile/SCRUM through participating in sprints with four team members

TECHNICAL SKILLS

Languages: JavaScript, Typescript, Go, Java, C++, Python, SQLite (SQL), Firestore (NoSQL)
Frameworks/Libraries: REST API, React, Flux, Spring, HTMX
Developer Tools: Git, Docker, Terraform, Jenkins, Google Cloud Platform (GCP), Firebase, Jira, Confluence