

Steven Le

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EDUCATION

San Jose State University

B.S. in Computer Science (**GPA:** 3.93/4.0)

December 2026

- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Object-Oriented Programming, Server-Side Web Programming, Information Security, Big Data Processing, Software Engineering, NoSQL, Computer Architecture

EXPERIENCE

Tesla

Aug. 2025 - Dec. 2025

Palo Alto, CA

Software Engineer Intern

- **Vehicle Software:** extended validation microservices and test infrastructure supporting Tesla's **Robotaxi + Navigation**
- Automated daily ingestion of vehicle telemetry logs, deserializing **5k+** Protobufs from Kafka streams for CI pipelines
- Established Jenkins pipelines facilitating E2E testing and qualitative validation of Tesla's traffic production services
- Introduced Redis rate-limit safeguards in Golang, mitigating costly infrastructure outages due to high-volume write spikes

Meta

May 2025 - Aug. 2025

Menlo Park, CA

Software Engineer Intern

- **Facebook Events Product:** developed backend infrastructure supporting new third-party ticketing platform integrations
- Developed Dataswarm pipelines producing asynchronous jobs, scheduling **100K+** event-related notification sends daily
- Utilized internal pub/sub tooling to efficiently handle notification broadcasts to billions of users on Facebook Events
- Expanded Facebook's Official Events API to accommodate richer event details from ticketing partners (ex. **Ticketmaster**)
- Debugged flaky/failing events test suites, contributing to a **5%** increase in team-wide test coverage health

Fetch.ai

Aug. 2024 – Dec. 2024

Remote

Software Engineer Intern

- Implemented a TypeScript NPM package of Fetch.ai's uAgents Python SDK, facilitating autonomous agent creation
- Refactored Zod OpenAPI functions to align with Pydantic's schema generation, ensuring cross-platform compatibility
- Redesigned 15+ Jest test suites, enhancing reliability in file-based state management of autonomous agents

United States Geological Survey (USGS)

May 2024 – Sept. 2024

Moffett Field, CA

Software Engineer Intern

- Developed an internal earthquake response platform to assist scientists in visualizing real-time seismic activity
- Constructed interactive maps displaying GeoJSON data for 300+ earthquakes with Python's Folium and PyGDAL
- Administered application deployment to an internal Rocky Linux Server for access by 15+ inter-team researchers
- Optimized AutoSSH and SQLAlchemy connection settings to reduce database query latency by ~40%

SJSU College of Engineering

Dec. 2023 – Feb. 2024

San Jose, CA

Software Engineer Intern

- Built a data pipeline containerized in Docker utilizing Python's FastAPI for API requests to 511 SF Bay's Portal
- Applied multi-threading to update cached transit data, reducing API calls and request response time by ~500ms
- Configured NGINX as a reverse proxy, applying DNS resolution and URL rewriting to reroute incoming traffic
- Monitored system performance with Prometheus, tracking latency metrics for 4000+ monthly requests

PROJECTS

Roomy | Python, FastAPI, Next.js, uAgents, Google Gemini API, Docker

- Engineered an AI-powered smart home assistant, applying tool-former and Auto-GPT research-paper concepts
- Parallelized processes through Fetch.ai's uAgents framework and integrated RPC to reduce API calls by 50%
- Winner of Fetch.ai's "**Best use of AI Agents**", placing 1st out of 200+ teams of 4 at the **LAHacks 2024** hackathon

AngelShot | Next.js, TypeScript, Tailwind CSS, MongoDB, VAPI, ElevenLabs

- Built AI-based emergency contact simulation service, won VAPI's "**Best Hack for Impact**" at **CalHacks 2024** hackathon
- Generated conversation-relevant trigger words with Groq's Llama3 (80B), redirecting calls to emergency services if spoken

TECHNICAL SKILLS

Languages/Frameworks: Python, Java, JavaScript, TypeScript, HTML/CSS, React, React Native, PHP/Hack, SQL, Golang

Developer Tools: Git/GitHub, Linux, Docker, Kubernetes, Prometheus, Grafana, GeoJSON, Redis, Apache Kafka