Steven Le

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EDUCATION

San Jose State University   Aug. 2022 – May. 2026
*B.S. in Computer Science (**GPA**: 3.91/4.0)*
- **Relevant Coursework**: Data Structures and Algorithms, Operating Systems, Object-Oriented Programming, Server-Side Web Programming, Intro to Database Management Systems, Information Security, Software Engineering

EXPERIENCE

Meta   Incoming May 2025
Software Engineer Intern   *Menlo Park, CA*
- Incoming software engineer intern (summer 2025)

Fetch.ai   Aug. 2024 – Dec. 2024
Software Engineer Intern   *Remote*
- 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
Software Engineer Intern   *Moffett Field, CA*
- 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 $\sim$40%

IBM Accelerate   Jun. 2024 – July. 2024
Software Track   *Remote*
- Participated in IBM's 8-week summer program focused on agile methodologies and cloud-native development
- Collaborated with engineers to develop scalable full-stack applications on IBM's cloud infrastructure

SJSU College of Engineering   Dec. 2023 – Feb. 2024
Software Engineer Intern   *San Jose, CA*
- 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 $\sim$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%
- Leveraged Gemini API to generate smart home interactions by combining base functions into new, complex behaviors
- 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, VAPI, ElevenLabs, Deepgram, Twilio*
- 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
- Incorporated dynamic voice modulation with ElevenLabs, matching voice assistants and tone to conversation contexts

DCMH Pantry | *Next.js, Typescript, Tailwind CSS, DaisyUI, MongoDB, PropelAuth*
- Built donation management platform for Davis Community Meals and Housing, **MLH Prize** winner at **HackDavis 2024**
- Integrated role-based permissions with PropelAuth APIs, securing inventory access for 25+ DCMH employees
- Established email blast subscription service with Resend SDK, providing inventory updates to 15+ recurring donors

TECHNICAL SKILLS

Languages/Frameworks: Python, Java, JavaScript, HTML/CSS, React, Next.js, Tailwind, SQL
Developer Tools: Git/Github, Linux, Docker, Prometheus, Grafana, GeoJSON