Steven Le

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EDUCATION

San Jose State University   Aug. 2022 – Dec. 2025
*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

Fetch.ai   Aug. 2024 – Dec. 2024
Software Engineering Intern   *Remote*
- Working with software engineers in developing Python's uAgents framework, supporting autonomous AI agent solutions
- Developing an NPM package for the uAgents framework, enhancing cross-platform compatibility for TypeScript users

United States Geological Survey (USGS)   May. 2024 – Aug. 2024
Software Engineering 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 ∼40%

IBM Accelerate   Jun. 2024 – July. 2024
Software Track Participant   *Remote*
- Participated in IBM's 8-week summer program focused on agile methodologies and cloud-native development
- Redesigned frontend test suites written in Jest to ensure proper data retrieval from Express.js backends
- Collaborated with engineers to develop scalable full-stack applications on IBM's cloud infrastructure

SJSU College of Engineering   Dec. 2023 – Feb. 2024
Software Engineering 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 ∼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

Google   Jul. 2022 – Aug. 2022
Computer Science Summer Institute Participant   *Remote*
- Partook in a 4-week intensive computer science summer program in collaboration with Google engineers
- Completed a project-based JavaScript processing curriculum, configuring 16 introductory coding projects

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 Company Challenge**, placing 1st out of 200+ teams of 4 in the **LAHacks 2024** hackathon

FaceToFace | *Next.js, Tailwind CSS, Prisma, CockroachDB, TogetherAI*
- Created event planner using TogetherAI models to generate schedules based on users' schedules and past events
- Utilized regex to parse iCalendar (.ics) files and extract relevant user event history into JSON
- Leveraged Llama-2 (7b) to recommend activities between users based on preferences and event history

Safe and Slug | *Next.js, Typescript, Tailwind CSS, DaisyUI, MongoDB, Express, Auth0*
- Built a public-event emergency response platform, **MLH Prize Track** winner at **CruzHacks 2024** hackathon
- Streamlined event attendee management with Auth0, enabling OAuth with Google and GitHub credentials
- Established real-time data retrieval service with a custom WebSocket server using Express and hosted on Glitch

TECHNICAL SKILLS

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