

Hunter Nguyen

San Jose, CA – Open to Relocate/Remote

hunter.nguyen@sjsu.edu | (669) 261-3077 | in/hunterhnguyen | [github/hunter-nguyen](https://github.com/hunter-nguyen)

EDUCATION

San Jose State University

Expected Graduation: May 2027

Bachelor of Science in Computer Science | GPA: 4.0

San Jose, CA

- **Organizations:** Software and Computer Engineering Society (Development Team), Mozilla Student Ambassador
- **Coursework:** Data Structures/Algorithms, Object-Oriented Design, Intro to Computer Systems, Discrete Math

EXPERIENCE

SJSU College of Engineering

Sept. 2024 – Present

Undergraduate Researcher

San Jose, CA

- Researching real-time constraint-embedded design validation in 2D engineering designs with CPNs and cGANs.
- Fine-tuned ML and LLM pipelines in Keras and LangChain, improving accuracy by ~20% for text retrieval.

theCoderSchool

Jun. 2024 – Present

Coding Instructor

Los Gatos, CA

- Mentoring 10+ students in Scratch, Python, and Java, going through project-based and personalized instruction.
- Facilitating code camps with 5 other peers in various technologies and applications.

NASA L'SPACE Mission Concept Academy

Sept. 2024 – Dec. 2024

Software Engineer

Remote

- Developed software architecture connecting 4 subsystems for a \$450M lunar rover, improving mission efficiency.
- Integrated BAE RAD750 and S-band system, achieving 2 Mbps uplink, 10 Mbps downlink, and 99.9% reliability.

Software and Computer Engineering Society

Jun. 2024 – Aug. 2024

Software Engineer Intern

San Jose, CA

- Spearheaded design of system monitoring app with Prometheus and Grafana, boosting club engagement by 50%.
- Designed scripts to draw data from user's computer in real-time with C using various libraries from different OS.
- Created RESTful APIs in Node.js to perform CRUD operations on data stored in MongoDB with Express.js.
- Wrote 10+ unit tests with Mocha and Chai, contributing to club website serving 2500+ club members.

Schoolhouse.world

Jul. 2023 – Jun. 2024

Community Moderator, Senior Tutor

Remote

- Taught 50+ free sessions of Python and calculus to 75+ students worldwide, keeping 90% user retention.
- Regularly engaged with a worldwide community of 55,000 members, personally announcing events and updates.
- Led team of 3 mods to develop an integration bee, receiving 100% positive feedback.

PROJECTS

SCEAdvisor | [GitHub](#) | C, Prometheus, Grafana, Docker, Git

Jul. 2024 – Aug. 2024

- Implemented WebSockets to draw 8 different hardware processes including CPU and RAM usage for a club app.
- Connected Prometheus and Grafana to the Dockerized server to see Prometheus-parsed data in Grafana dashboard
- Built an HTTP web server with C using socket programming.

Book Manager | Python, FastAPI, Pydantic, SQLite, Docker

Jun. 2024 - Jul. 2024

- Engineered a Dockerized RESTful API app with FastAPI and SQLite, reducing query response times by 30%.

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript/TypeScript, HTML/CSS

Frameworks: React, Node.js, Next.js, Express.js, FastAPI, Tensorflow (Keras)

Developer Tools: Git, GitHub, MongoDB, Docker

Concepts: Frontend, Full-Stack, Backend, Software Engineering, App Design, UI/UX Design, Web Development, Machine Learning, Data Science