

# HUNTER NGUYEN

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

## EDUCATION

### San Jose State University

Expected Graduation: May 2026

Bachelor of Science in Computer Science | GPA: 3.8

San Jose, CA

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

## EXPERIENCE

### San Jose State University

Sept. 2024 – Present

Undergraduate Researcher

San Jose, CA

- Created a structured extraction pipeline for 3D designs (.f3d, .step, .iges) with Fusion 360 API for AI validation.
- Built PyTorch model to adapt to extracted design features, refining constraints via design timeline step analysis.
- Author publication with Prof. Yunjian Qiu (Mech. Eng.) to be presented at **2025 IMECE** Conference (CAD Track).

### SJSU College of Engineering

Sept. 2024 – Present

Software Engineer

San Jose, CA

- Created school Discord bot with LangChain tool calling on educational services through natural language.
- Streamlined retrieval of educational service endpoints using Groq's LPU-based AI inference, boosting efficiency.
- Optimized API performance by implementing asynchronous processing, reducing response times by 20%.

### theCoderSchool

Jun. 2024 – Present

Coding Instructor

Los Gatos, CA

- Mentored 10 students in Python and Java with project-based learning, tailoring lessons by different skill level.
- Taught data structures and algorithms, applying understanding through coding challenges and real-world projects.

### SJSU Software and Computer Engineering Society

Jun. 2024 – Aug. 2024

Software Engineer Intern

San Jose, CA

- Created REST APIs in Node.js to perform CRUD operations on data stored in MongoDB with Express.js for club site.
- Restricted user actions in admin dashboard in Express.js, preventing 50+ officers from modifying higher-role users.
- Designed comprehensive unit tests using Mocha/Chai in Node.js to enhance code reliability and deployment cycles.

## PROJECTS

### AVA (Accessible Voice Assistant) | Python, FastAPI, Groq, Perplexity, LangChain, ElevenLabs

- Built a voice-controlled browser navigation tool with Browser Use multi-stage AI agents to promote browsing use.
- Optimized AI workflows by integrating Groq for transcription and Perplexity Sonar for structured task reasoning.
- Developed custom AI tooling with LangChain, adding agentic workflows for sending emails and booking flights.
- Won **Best Use of Groq**, placing **1st out of 37 teams** at Cal State East Bay's 2025 HackHayward hackathon.

### lmk (let me know) | TypeScript, Next.js, Supabase (PostgreSQL), OpenAI, Mapbox, Tailwind CSS

- Engineered real-time hazard reporting system, aggregating context through agentic workflow using OpenAI API.
- Incorporated multi-modal processing to enhance the platform's ability to analyze and prioritize reports on urgency.
- Developed Mapbox integration to visualize hazard zones using GeoJSON, reducing map rendering time by 15%.

### Secure Send | TypeScript, Next.js, Supabase (PostgreSQL) Web Crypto API, Tailwind CSS

- Developed a secure file-sharing application with client-side encryption and user authentication with Google OAuth.
- Leveraged AES-GCM hashing algorithm to store file metadata securely in Supabase's PostgreSQL database.
- Integrated modular TypeScript utilities for file encryption, validation, and handling to increase reusability.

## TECHNICAL SKILLS

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

**Frameworks:** React, Node.js, Next.js, Express.js, FastAPI, PyTorch, LangChain, Tailwind CSS

**Developer Tools:** Git, GitHub, Docker, MongoDB, Postgres, Supabase

**Certifications:** Machine Learning Specialization, Artificial Intelligence