

Nathan Tran

nathan.tran04@sjsu.edu | linkedin.com/in/nthntrn | github.com/n8thantran | n8thantran.github.io

EDUCATION

San Jose State University

San Jose, CA

Bachelor of Science in Computer Science

Expected: May 2027

Organizations: Software and Computer Engineering Society, Mozilla Responsible Computing Club

Relevant Coursework: Data Structures and Algorithms, Object Oriented Design, Computer Architecture

EXPERIENCE

BloxShield

June 2025 – Present

Software Engineering Intern

Remote

- Built digital safety platform protecting 100M+ users across top Roblox games, scanning 100K+ DAU for threats
- Developed 5-service AWS ECS cluster using Terraform with automated CI/CD pipelines
- Built automated detection engine with rule-based systems and OCR models for threat pattern recognition
- Created Next.js dashboard with real-time analytics, WebSocket connections, and PostgreSQL audit logging

Ego (YC W24)

Nov. 2024 – Mar. 2025

Software Engineering Intern

San Francisco, CA

- Enhanced Roblox game by implementing LLMs and tooling, improving conversation engagement by 20%
- Developed Discord mini-game with Claude API integration, reaching 1.5K MAU within first month of launch
- Engineered automated QA testing framework using LLM agents for efficient bug detection and gameplay testing
- Optimized FastAPI backend through caching and query handling, reducing average response times by 15%

Uber

Nov. 2024 – Present

Software Engineering Fellow

Remote

- Selected for competitive 7-month fellowship program with 4% acceptance rate from 2000+ applicants
- Paired 1:1 with Senior Uber Engineer mentor for bi-weekly code reviews and technical guidance
- Completed structured curriculum of 5 technical workshops covering DSA and software engineering best practices
- Participated in mock technical interviews and application process training to prepare engineering students

PROJECTS

Juri | Next.js, ShadCN, LangChain, NVIDIA Nemotron

- Built AI legal assistant for startups that can answer questions about the law and provide legal information
- Engineered a document parsing system to fill out PDFs and Legal Forms with 95% accuracy
- Created legal scenario database with 50+ case studies, helping founders assess regulatory risks and outcomes
- Won **Top 5 Finalist** at NVIDIA's World Smallest Hackathon out of 70+ teams from across the country

Filosophy | Python, FastAPI, LlamaIndex, MongoDB, Next.js, Google Gemini API

- Built AI platform to auto-fill medical forms from video input, helping immigrants navigate healthcare in the US
- Built an ETL pipeline to extract transcripts, store metadata, and fill relevant form fields using Google Gemini API
- Winner of **Best Biotech** and **Best People of Color Empowerment** awards out of 75 teams at SFHacks 2025

A.V.A (Accessible Voice Assistant) | Python, FastAPI, Groq, Perplexity, LangChain, ElevenLabs

- Built voice-controlled browser tool for 2.7M+ physically disabled users, achieving 90% voice command accuracy
- Tackled slow AI response times by implementing Groq and Perplexity Sonar, reducing latency by 65%
- Developed agentic AI solution with LangChain, helping disabled users automate email writing and flight booking
- Won **Best Multimodal Use of Groq** prize against 36 competing teams at HackHayward 2025

TECHNICAL SKILLS

Languages: Python, Java, C#, Typescript, HTML/CSS, SQL

Frameworks & APIs: React, Next.js, FastAPI, Flask, Discord.py/.js, Groq, Perplexity

Developer Tools: Git, Docker, VS Code, Visual Studio, Unity, Meta Quest SDK, Roblox Studio

Libraries: LangChain, NumPy, Scikit-Learn, PyTorch, Pandas, BeautifulSoup4, Matplotlib, ElevenLabs, OpenAI

Databases & Auth: MongoDB, Supabase, Google OAuth