

# Nathan Tran

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## EDUCATION

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### San Jose State University

San Jose, CA

*Bachelor of Science in Computer Science*

*Expected: May 2027*

**Relevant Coursework:** Data Structures and Algorithms, Object Oriented Design, Computer Architecture, Formal Languages and Computing

## EXPERIENCE

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### AfterQuery (YC W25)

December 2025 – Present

*Software Engineering Intern*

*San Francisco, CA*

- Built project trace system to monitor AI agent actions and audit history, serving 50+ domain experts
- Developed Claude-powered audit agents for Firebase and Platform Engine, reducing manual QA time by 40%
- Engineered Next.js finance dashboard with Firebase integration, tracking \$500K+ in spend across 10+ clients
- Optimized platform by reducing Firestore queries by 60% and migrating to TanStack Query, cutting load by 35%

### BloxShield

June 2025 – September 2025

*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
- Constructed 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
- Implemented automated game testing pipeline using AI agents to streamline quality assurance and bug detection
- Optimized FastAPI backend through caching and query handling, reducing average response times by 15%

### Uber

Nov. 2024 – Sept. 2025

*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

## PROJECTS

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### 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

### Fillosophy | *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
- Designed an ETL pipeline to extract transcripts, store data, 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

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**Languages/Frameworks:** Python, Java, C#, HTML/CSS, Typescript, SQL, React, Next.js, FastAPI

**Developer Tools:** Git/Github, Docker, VS Code, Visual Studio, MongoDB