

Nicholas Le

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EDUCATION

San Jose State University

Expected May 2026

B.S. Computer Science

San Jose, CA

- GPA: 3.97/4.0 (President's Scholar)
- Coursework: Data Structures and Algorithms, Intro to Database Management, Object Oriented Design, Computer Architecture (MIPS assembly), Operating Systems, Intro to Computer Networks, Information Security
- Organizations: Software and Computer Engineering Society (Development Team Officer)

EXPERIENCE

Software Development Engineer Intern

Sep 2025 – Present

Amazon

Bellevue, WA

- Designing and developing software on Contract Life Cycle Management team of Amazon Freight
- Building custom Java Lambda package for Python clients to access Java-only rule management platform client
- Collaborating cross-functionally with PMs and business team to translate requirements into technical solutions

Software Engineer Intern

May 2025 – Aug 2025

ServiceNow

Santa Clara, CA

- Owned design, development, and testing of new ACL feature to be released to 8000+ enterprise customers
- Reduced default ACL count by 75% by implementing a CRUD mapping feature, improving ACL engine efficiency
- Wrote unit and integration tests with Mockito to validate changes across environments, ensuring functionality

Grader

Sep 2024 – May 2025

San Jose State University

San Jose, CA

- Assisted Professor Jahanbekam in evaluating assignments for 75+ students in Discrete Mathematics (MATH 42)
- Provided detailed feedback and posting grades within 4-day turnaround time for weekly assignments

Software Engineer Intern

Jun 2023 – Aug 2023

Software and Computer Engineering Society

San Jose, CA

- Created remote video streaming service using RTMP to display videos in classroom, serving 300+ club members
- Implemented LRU cache for previously requested videos reducing access times from around 20 seconds to 1 second
- Built FastAPI server monitored with Prometheus to manage and download YouTube URLs to video cache

PROJECTS

lock in. | *React, AWS, FastAPI, Hume, Python, TypeScript*

Jun 2024

- Developed AI assistant that can generate curricula and adjust teaching styles based on user emotions
- Won "Best Use of Empathic AI by Hume AI", placing 1st out of 96 teams at UC Berkeley's AI Hackathon 2024
- Implemented multi-modality to existing chat-only LLM, enabling interpretation of drawings and images

StreamerStocks | *SvelteKit, Supabase, Docker, Redis, Python, TypeScript*

Apr 2024 – Jun 2024

- Built custom web application in team of 5 for high-profile online live streamer, serving 3,500+ users
- Optimized queries to scale from 1,000 to 1,000,000 daily requests by refactoring functions and normalizing data
- Extracted real-time data for sentiment analysis by creating automated scrapers for Reddit and Twitch chat
- Leveraged Twitch API to convert Twitch channel points into website currency, driving interactivity and retention

Classify | *React, FastAPI, SQLite, Docker, Zilliz, Python, JavaScript*

Jan 2024 – Mar 2024

- Engineered full-stack web application enabling SJSU students to search for courses with natural language
- Processed and stored over 3000 course description embeddings by developing catalog web scraper
- Structured backend with FastAPI and Nginx as reverse proxy, deployed on self-hosted Debian server

TECHNICAL SKILLS

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

Frameworks/Libraries: React, FastAPI, Express.js, Node.js, Spring Boot, NumPy, BeautifulSoup, PyTest

Databases: PostgreSQL, MongoDB

Other: Git, GitHub, Docker, Linux, Amazon Web Services