

Steven Nguyen

nguyensteven533@gmail.com • Dallas, Texas

Education

The University of Texas at Austin

Bachelor of Science in Computer Science

Austin, Texas

August 2026

Skills

Programming Languages: Python, C, Java, SQL, JavaScript, ReactJS, HTML, CSS, Angular

Frameworks & Tools: Git, REST, Flask, Django, .NET, Docker, Unit Testing, Pandas, AWS, CI/CD pipeline

Projects

StatSeeker

Full Stack Engineer

July 2023 – August 2024

- Built and maintained REST APIs using Django, enabling scalable user authentication and PCI-compliant Stripe integration for web payments.
- Optimized MongoDB database schema for high-performance data retrieval, resulting in 30% faster query response times.
- Designed and implemented fault-tolerant Python-based web scrapers to extract and aggregate eSports data.
- Integrated intelligent string matching for accurate data reconciliation of name discrepancies.
- Collaborated closely with designers to implement an enhanced user interface, improving overall user experience.

Errorplanewatch

Backend Developer

May 2024 – May 2025

- Configured and hardened an Nginx reverse proxy to secure the application layer, mitigating potential vulnerabilities for end users.
- Developed high-availability APIs using Flask and JSON, achieving 99.9% uptime.
- Engineered a distributed system using Celery and Redis, resulting in 40% performance optimization.
- Implemented headless web scraping using Playwright and BeautifulSoup4 to optimize server resource usage.
- Designed a scalable user-driven code automation system, supporting concurrent execution of scheduled web scrapes.
- Developed a Telegram alert system to notify users of specific real-time flight conditions.

Huffman Coding

CS Project

January 2023 – February 2023

- Implemented the Huffman coding algorithm in Java to achieve efficient and lossless data compression and decompression, reducing file sizes by an average of 30%.
- Utilized data structures such as trees, queues, and stacks, resulting in efficient data compression and decompression operations losslessly.
- Implemented comprehensive test coverage, achieving 98% code coverage.

Personal Development

Home Lab

Builder

June 2024 – Present

- Built and managed a high-availability NAS using Unraid, implementing RAID configuration for data redundancy.
- Orchestrated microservices using Docker Compose, managing multiple containerized applications.
- Implemented a zero-trust security model using Tailscale VPN and network segmentation.

Society of Asian Scientists and Engineers

Member

September 2023 – June 2026

- Explored career opportunities and participated in professional development.
- Contributed to community projects and promoted Asian heritage in STEM.
- Established industry relationships through regular participation in professional networking events.