

ALEXANDREA LOPEZ

Software Engineer

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github.com/NKN_Neko

Full-time Athlete Associate at Nike and a full-time software engineer student. Excelled at Customer Service, Hospitality, and Management. Geared to become an engineer who creates sparks of innovation and helps create the future of tech.

EDUCATION

Diploma in Computer Science and Software Engineering

Expected Graduation 12/2025

Atlas School - Tulsa, OK

A peer and project-based 20-month software engineering school in Tulsa, Oklahoma. The curriculum began with the fundamentals of software engineering, starting in C, and worked up to Software Engineering, covering Back-End engineering.

SKILLS

Programming Languages: C, Bash, Python, C#, C++, MYSQL, SQL, JavaScript, HTML, CSS, Dockerfile, SHELL, Makefile, Assembly

Frameworks: AGILE, HackSprint, Flask, PyGame

Other: GitHub, Replit, Docker

PROJECTS

Assembly

July 16 - 23, 2025

Add Link

Lead/Back-end programmer

- Wrote low-level routines in x86 and ARM Assembly to optimize performance-critical code paths and interface directly with hardware.
- Managed project myself
- Integrated inline Assembly within C programs to fine-tune performance and access processor-specific instructions

Profile

May 5 - 12, 2025

github.com/NecroKnightMare/atlas-system_linux/tree/main/proc_filesystem

Lead Back-end programmer

- Create a Python script that looks only in the heap
- Utilized /proc/pid/ directories to extract runtime metadata, including memory maps, open file descriptors, and thread information
- Parsed and analyzed kernel-exposed data such as CPU usage, memory statistics, and network interfaces using

Cyclospora

December 8 - 13, 2024

github.com/NecroKnightMare/Cyclospora

Media-Assets/Back-end programmer/Story lead

- Led narrative design and project direction
- Collaborated in a team of 3, learning a new library within two weeks