Nifemi Lawal

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Relevant Experience

Software Engineer Intern — Jun. 2025 – Aug. 2025
Charles Schwab — *Austin, TX*
- Contribute to the development of client-facing platforms using .NET/C#, Angular, JavaScript, TypeScript, HTML/CSS, and jQuery.
- Support SDLC in an Agile environment, focusing on RESTful services, web APIs, and scalable UI enhancements.

Software Developer Intern — Jun. 2024 – Aug. 2024
Textron Aviation — *Wichita, KS*
- Created scripts to automate semi-manual tasks, including an SMTP script for IAM credential alerts that improved notification efficiency by **75%**.
- Developed a CRUD interface using HTML/CSS, JavaScript, SQL, C#, and a Model-View-Controller design pattern for an asset management system.
- Implemented a code signing integration using PowerShell and YAML for pipeline modifications and deployed it to production with SQL logging for signed file metadata.
- Built an automated network activity visualization tool in Python using Flask, Plotly, and Dash, streamlining workflows for Network Engineers.

Continuous Improvement Engineer Intern — Jun. 2023 – Aug. 2023
Collins Aerospace — *Lenexa, KS*
- Designed and 3D printed test fixtures for aircraft lighting components, clearing a **six-month** repair backlog and earning an **Rstar Spot Award**.
- Built Python and MATLAB automation tools to improve document management and time study efficiency.
- Optimized processes using Lean Six Sigma, coached sub-teams, and collaborated with Quality Engineers to integrate functional process maps into standard procedure documents.

Technical Skills

Languages: Python, C#, HTML/CSS, JavaScript, SQL, C, C++, PowerShell, MATLAB
Developer Tools: Git, GitHub, Visual Studio, Visual Studio Code, Postman, Bruno, AWS, Azure DevOps
Technologies/Methodologies: RESTful APIs, CI/CD, Test-driven development, Behavior-driven development, Scrum

Leadership & Involvement

Vice President — Apr. 2024 – Present
KU Mastermind — *Lawrence, KS*
- Supported community clothing drive communications that helped collect **630+** lbs of donations for a local shelter.

Engineering Leadership Fellow — Aug. 2022 – Present
KU Self Engineering Leadership Fellows Program — *Lawrence, KS*
- Selected as 1 of 43 fellows in a competitive four-year program developing engineering, leadership, and business skills.
- Led design efforts for a portable cooling solution for the Lawrence Public Library, featuring a custom 3D-printed component that improved outreach staff working conditions.

Projects

TuneID | *Python, Flask, FFmpeg, Shazam API, HTML/CSS, JavaScript* — May 2025
- Created and deployed a full-stack web app that extracts audio from URLs and identifies songs using the Shazam API.
- Handled audio extraction with FFmpeg and displayed song metadata with links to streaming platforms.

Library Database System | *Python, Psycopg2, Amazon RDS, PostgreSQL* — Jan. 2025 – May 2025
- Collaborated on a secure, multi-user library database system for managing books, members, and transactions.
- Built a backend tool to extract and parse Excel data, then populate PostgreSQL tables using Python and psycopg2.

Education

University of Kansas (KU) — Lawrence, KS
Bachelor of Science in Computer Science — *May 2026*
Honors & Involvements: KU Honors Program, KU Multicultural Scholars Program, KU iHAWKe Engineering Program, National Society of Black Engineers, ColorStack