

Nifemi Lawal

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EDUCATION

University of Kansas (KU)

Bachelor of Science in Computer Science

Lawrence, KS

May 2026

Involvements: ColorStack, KU Honors Program, KU Self Engineering Leadership Fellows Program, National Society of Black Engineers, KU iHAWKe Engineering Program, KU Multicultural Scholars Program

TECHNICAL SKILLS

Languages: Python, C, C++, C#, HTML/CSS, JavaScript, SQL, PowerShell, MATLAB

Developer Tools: Git, GitHub, Azure DevOps, VS Code, Visual Studio, Postman

Technologies/Methodologies: RESTful APIs, CI/CD, Test-driven Development, Agile Scrum

RELEVANT EXPERIENCE

Software Engineer Intern

June 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

June 2024 – Aug. 2024

Textron Aviation

Wichita, KS

- Developed a CRUD interface using HTML, CSS, JavaScript, SQL, C#, and a Model-View-Controller design pattern for an asset management system.
- Created scripts to automate semi-manual tasks, including an SMTP script for IAM credential alerts, improving notification efficiency by **75%**.
- 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

June 2023 – Aug. 2023

Collins Aerospace

Lenexa, KS

- Designed and 3D printed test fixtures for TD-1057 lights, reducing repair time by **six months** and earning an **Rstar Spot Award**.
- Built Python and MATLAB automation tools for logistics document management demos and time study analysis, accelerating documentation time.
- Applied Lean Six Sigma methodologies to optimize processes, coached sub-teams, and collaborated with quality engineers to integrate functional process maps into standard procedure documents.

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.

Serve | *HTML/CSS, JavaScript*

Mar. 2025

- Built and deployed a ping pong score tracker with editable player names, configurable match settings, manual score controls, and local storage for match history and preferences.

Library Database System | *Amazon RDS, PostgreSQL, Python, Psycopg2*

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.

EnterSmart | *Python, Flask, Pandas, HTML/CSS, JavaScript*

Nov. 2024

- Developed a CRUD web app for efficient entry and tracking of job applications from Excel spreadsheets.