

Nifemi Lawal

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EDUCATION

University of Kansas (KU)

Bachelor of Science in Computer Science

Lawrence, KS

May 2026

Honors & Involvements: KU SELF Program, KU Honors Program, KU Multicultural Scholars Program, KU iHAWKe Engineering Program, KU Mastermind, National Society of Black Engineers, ColorStack

TECHNICAL SKILLS

Languages: Python, C#, HTML/CSS, JavaScript, TypeScript, 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

RELEVANT EXPERIENCE

Software Engineer Intern

Jun. 2025 – Aug. 2025

Charles Schwab

Austin, TX

- Customized Angular components to enhance grid interactions and improve UX for **15,000+** financial advisory firms.
- Led intern team in architecting a system for automated data retrieval, ML-based classification, and structured storage of user feedback; built and deployed a front-end demo for an internal case competition.

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 to streamline 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.

LEADERSHIP & INVOLVEMENT

Engineering Leadership Fellow

Aug. 2022 – Present

KU Self Engineering Leadership Fellows Program (SELF)

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.

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

Jan. 2025 – May 2025

- Developed a command-line library management system using Python and PostgreSQL to manage books, members, and transactions.
- Created data processing script with psycopg2 to extract Excel data and populate database tables.