Chijioke Umezinwa

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Education

Associate of Science in Computer Science
Union County College, Cranford, NJ   **Graduated May 2025**

Bachelor of Science in Computer Science
Lehigh University, Bethlehem, PA   **Graduated May 2019**

Technical Skills

- **Programming Languages:** Proficient in Python, Javascript, HTML, CSS, Bash
- **Frameworks:** Flask, Django
- **Database:** MySQL, Oracle
- **Systems tools:** Remote desktop, SSH, command line

Projects

Library Database Website | **February 2025 - Present**
- Built a Flask-based web application that served as a front end interface for the library database, allowing users to search for books, checkout books, return books and check availability of books.
- Designed and implemented a relational database schema in MySQL to manage users, books, categories, loans, and admin requests.
- Implemented secure user authentication and admin privileges using Flask sessions and hashed passwords.

Python Automation Toolkit | **November 2024 - January 2025**
- Created a suite of Python scripts to automate system cleanup, backup, and reporting tasks on Linux.
- Built a CLI-based SQLite logging system to record and track system events and alerts.
- Scheduled jobs using `cron` for automated nightly reporting and disk space monitoring.
- Improved system reliability and reduced manual admin time by 60%.

Work Experience

Hardware/Network Technician
Packetalk, Lyndhurst, NJ | **October 2023 - January 2024**
- Developed and deployed Bash and Python shell scripts to automate routine network configuration tasks, significantly reducing manual effort and improving operational efficiency across various network devices (switches, printers, IP cameras, modems).
- Provided critical IT support, requiring clear communication and the ability to translate technical concepts for non-technical users, a valuable skill for documenting code and collaborating with diverse teams in software development.
- Configured, troubleshooted, and optimized network settings for devices including switches, printers, IP cameras, and modems.