Victor Fawole

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EDUCATION

The Ohio State University — Columbus, OH
*B.S. in Computer Science, Minor in Statistics. **GPA:3.60/4.0*** — *Aug. 2021 – Dec. 2025*
- Coursework: Data Structures, **Software Development**, **Database Management**, **Artificial Intelligence**

EXPERIENCE

Machine Learning Lead — Sep. 2023 – Present
Buckeye Vertical — *Columbus, OH*
- Led model training initiative, focusing on improving object detection of autonomous drones.
- Generated synthetic data in **Unity(C#)** - 20k+ target combinations using domain randomization principles.
- Trained multi-layer vision network, consisting of **YOLO, OpenCV, & OCR**
- Achieved 95% accuracy on real world data on onboard Nvidia Jetson, and cut model deployment time in half.

Onsite Robot Coordinator — Sep. 2023 – Present
Grubhub — *Columbus, OH*
- Facilitated student mentorship by offering procedural guidance, task-related support, and consistent communication with the management to track their development.
- Coordinated with a remote dispatch team to manage a fleet of 100+ self-driving delivery vehicles on OSU campus, increasing uptime by 1 hour per day.
- Designed and implemented a comprehensive maintenance schedule with an on-site maintenance team resulting in 15% reduction in disruptions.

Undergraduate Research Assistant — June 2023 – Aug. 2023
Ohio State University — *Columbus, OH*
- Engaged in collaborative research to assess the effectiveness of large language models on application security.
- Developed a **Python** script leveraging the **GPT-3.5 API** to generate and test functional fuzzing corpora.
- Presented a software demo as well as research findings to a group of professors and postgrad students

Client Systems Intern — May 2022 – Aug. 2022
Intrust IT — *Blue Ash, OH*
- Resolved client technical issues with diagnostic tools **Azure Active Directory** and **Microsoft Admin Center**.
- Increased employee retention by 67% by creating a comprehensive onboarding program and generating 50+ pages of documentation.

PROJECTS

Lyrics.AI | *JavaScript, ReactJS, Express, MongoDB, Tailwind CSS* — July 2024 – Present
- Developed a full-stack web application to count and retrieve lyric occurrences within songs.
- Integrated **GPT-4 API** to convert informal user input into structured JSON data, improving processing efficiency and user experience.
- Utilized the **Fuse.js** library to increase the accuracy and flexibility of searching of lyrics.
- Implemented **Spotify API** to facilitate smooth in-app music playback.

Multi-User Blog | *JavaScript, NextJS, MongoDB, Git, HTML/CSS* — June 2024
- Developed a full-stack web application in **Next.js** to provide a dynamic blogging platform for classmates.
- Implemented user functionality and an admin dashboard for managing blog post submissions and user interaction.
- Integrated social media sign-in options via **Auth.js** for streamlined account creation and user authentication.

Peer Evaluator | *Ruby on Rails, Git, JavaScript, HTML/CSS* — December 2022
- Developed a full-stack web application that served as a mini-grading platform for classes at OSU
- Implemented admin functionality allowing instructors to view and edit students, scores, and presentations.
- Placed first out of 11 teams and won award for the most creative features implemented on platform.

TECHNICAL SKILLS

Languages: Python, C, C#, Java, SQLite, JavaScript, HTML/CSS, Tailwind CSS, R
Frameworks: React, Node.js, Next.js, Flask, JUnit, Unity, .NET, Ruby on Rails, Tailwind
Developer Tools: Git, Docker, AWS, Google Cloud Platform, Visual Studio, PyCharm, Eclipse, Jupyter Notebook