Oluwole Fabikun

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Education

University of Massachusetts Amherst, Amherst MA   Expected May 2024
B.A. in Computer Science, Biology Minor   **GPA: 3.21**
Related Courses: Database Management, Algorithms, Programming w/Data Structures, Reasoning Under Uncertainty,
    Introduction to Computation, Human-Comp Interaction, Programming Methodology
Extracurriculars: E-Board of National Society of Black Engineers, ColorStack Member, HackUMass, UMass Brotherly Union,
    UMass Fashion Organization, Barber/Founder of Wole's Cuts
Awards & Scholarships: Microsoft Power Platform Champion Award, National Science Foundation LSAMP Funding, Raymond D.
    Gozzi Scholarship, David Knapp Scholarship, John & Abigail Adams Scholarship, Class of 1971 Scholarship

Experience

Laboratory for Advanced System Software - *Machine Learning Research Intern*   Aug 2023 – Present
- Participating in research project applying computer vision techniques for rooftop detection in solar panel installations
- Utlizes Python, computer vision libraries, and satellite imagery data to develop and test models
- Demonstrates a strong learning curve in mastering new concepts in computer vision and their application

Nucor Skyline - *Developer Intern*   June 2023 – Aug 2023
- Leveraged data engineering skills to streamline data extraction, transformation, and visualization processes,
  contributing to data-driven decision-making and business growth
- Utilized Salesforce Object API in Power BI to optimize data retrieval and analysis processes for improved business
  insight efficiency and enable seamless integration between Salesforce and Power BI
- Developed a dynamic credit Dashboard in Power BI that enabled real-time visualization of quote data, leading to a
  20% improvement in sales analysis accuracy and empowering daily data-driven decision-making
- Designed and implements a secure RESTful API using ASP.NET Core, enabling JWT token-based user authentication
  and authorization, while collaborating with team members to integrate the API into the project ecosystem

Laboratory for Advanced System Software - *Data Research Intern*   Oct 2022 – June 2023
- Collaborated with team members to develop and implement creative solutions
- Employed Python programming language and libraries such as Pandas and Matplotlib within Jupyter Notebook to
  analyze data and produce dynamic and insightful visualizations
- Demonstrated strong communication and problem-solving skills through presenting research findings and
  contributing to group discussions

Personal Projects

Personal Portfolio Website   Aug 2023
- Designed and crafted a dynamic personal portfolio website using modern web development practices
- Leveraged server-side rendering (SSR) and markdown components (MDX) to ensure optimal performance and SEO
  friendliness
- Created an intuitive and visually appealing user interface with a mobile-responsive design

Spotify Playlist Generator   Jan 2023
- Implemented the Spotify Web API to generate Spotify playlists using reference tracks from a user's listening history
  and library
- Tested and created intuitive Python script to prompt users for input
- Optimized code by allowing user to alter the seed attributes of playlist to be generated

Technical Knowledge

Languages/Frameworks: Python, Java, SQL, C#, HTML, CSS, React, Node.js, Matplotlib, Pandas
Technologies: PostgreSQL, Postman, Jupyter Notebook, Power BI