Adedoyin Ayomide Famuyiwa

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Education

Purdue University | West Lafayette, Indiana, USA   Graduating May 2025

Bachelor of Science in Mathematics, Computer Science

Activities and Societies: ML@Purdue, PurdueHackers, National Society of Black Scientists & Engineers, Purdue Student Government, Purdue Panhellenic Association, Quantum Game Club

Professional Experience

The Sparks Foundation | Graduate Rotational Intern Program   June 2023 - July 2023

Remote Intern (Computer Vision & IoT June 2023 | Data Science & Business Analytics July 2023)

- Developed custom image processing algorithms and software for computer vision applications, enabling enhanced object recognition and analysis.
- Created applications for facial and emotion recognition and automated optical inspection, contributing to improved efficiency and accuracy in quality control processes.
- Used Raspberry Pi, Nvidia Jetson, and microcontrollers in IoT projects to create a seamless integration of hardware and software for intelligent automation and data-driven decision-making.

Ware Research Group | West Lafayette, IN   Fall 2021 - Spring 2022

Undergraduate Research Assistant

- Measured the extent to which youth's engagement in different types of informal educational programming enhanced their development of leadership, academic, and STEM fields.
- Co-wrote proposals, developed lesson plans, scheduled meetings, and assisted in managing team resources.

Projects and Certifications

JPMorgan Chase & Co. Code For Good   October 2023

- Developed a minimum viable full-stack product for an NGO in the greater Chicago area
- Utilized MongoDB, ExpressJS, React, Node.js; & Agile Methods

MA290: Data Science Labs—Multivariable Calculus   Spring 2023

- Applied multivariate calculus concepts to real-world problems in data science, gaining experience in optimization, gradient descent, and machine learning algorithms
- Worked on data science projects that involved data visualizations, cleaning, feature selection, model evaluation, and unit testing, using Python, R, and Jupyter notebooks

JPMorgan Software Engineering Virtual Experience Program on Forage   January 2023

- Developed software solutions using Python, React, and Typescript to analyze financial data, visualize trading patterns, and automate testing.

JPMorgan Agile Virtual Experience Program on Forage   March 2023

- Worked on a virtual project that involved implementing agile practices such as user stories, sprints, and retrospectives to develop a software solution to analyze financial data

Technical Skills

Programming Languages: e.g. Java, Python, C++, React, MySQL, HTML5/HTML,CSS, SASS
Frameworks and Libraries: PyTorch, Scikit, OpenCV, TensorFlow