MICHAEL KWABENA GYIMADU

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EDUCATION

Wingate University   August 2023 – May 2027
Bachelor of Science in Mathematics, Minor in Economics   Wingate, NC

- **GPA:** 4.0/4.0 | **Honors:** President's List(Fall 2023 & Spring 2024)
- **Relevant Coursework:** Calculus, Data Structures & Algorithms, Object-Oriented Programming, Discrete Mathematics, Microeconomic Principles, Macroeconomic Principles

SKILLS & CERTIFICATIONS

Programming Languages: Python, JavaScript, HTML/CSS, SQL
Technical Skills: Git, GitHub, MS Excel, Numpy, Pandas, React.JS, Django, Flask, VSCode, Tableau, Financial Modelling, Market & Statistical Analysis, Applied Machine Learning
Certifications: Supervised Machine Learning: Regression & Classification (Coursera)

PROJECTS

Credit Default Prediction Model | *Python, Scikit-learn, Pandas*   July - August 2024

- Developed a logistic regression model to predict loan defaults using a dataset of 30,000+ credit card clients, achieving an accuracy of 64.7% and an ROC-AUC score of 70.8%.
- Applied data analysis techniques with pandas and scikit-learn, optimizing feature selection and splitting data into training/testing sets (80/20).
- Preprocessed data by scaling features and encoding categorical variables, improving model performance and interpretability.
- Integrated the model into a Flask web application, enabling users to interact with the model via a simple interface and receive default risk predictions in real-time.

EXPERIENCE

Student Investment Analyst   April 2024 – Present
Wingate Investment Club

- Co-manage a $190,000 portfolio entrusted by the university's endowment, focusing on asset allocation, portfolio diversification, and risk management strategies.
- Conduct in-depth equity research and financial analysis on individual stocks using financial models and valuation methods, contributing to investment decisions that led to outperformance of the S&P 500 by 2% over a 6-month period.
- Collaborate with a team of student analysts to develop and present investment theses, balancing the portfolio based on market trends, risk exposure, and sector analysis.

Library & Tech Services Assistant   November 2023 – Present
Ethel K. Smith Library, Wingate University

- Process interlibrary loan requests, facilitating access to resources for 150+ students and faculty weekly
- Catalog new library materials in an organized inventory, cutting down accessibility wait times by 30%
- Provide research database support as well as technical support for library equipment, ensuring a 100% daily uptime for computers, printers, and scanners

LEADERSHIP & CAMPUS INVOLVEMENT

First-Year Committe Member, *Wingate Student Government*   September 2023 - May 2024

- Collaborated with a team of 10 to propose and implement 2 programs enhancing academic and social integration for over 1,000 first-year students.

Aspire Leaders Program Fellow, *Aspire Institute*   January 2024 - April 2024

- Collaborated in a 4-month Harvard Business School program with a global leadership cohort, enhancing professional growth through networking, communication, and social impact masterclasses.