

# MICHAEL KWABENA GYIMADU

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## EDUCATION

### Wingate University

*Bachelor of Science in Mathematics, Economics Minor*

**GPA:** 4.0 | **Honors:** President's List(x4)

Expected May 2027

*Wingate, NC*

**Relevant Coursework:** *Probability & Statistics, Linear Algebra, Calculus, Economic Impact Analysis, Discrete Mathematics, Financial Markets, Financial Accounting*

## TECHNICAL SKILLS & CERTIFICATIONS

**Programming:** Python, C++, SQL, JavaScript/TypeScript

**Libraries & Tools:** Numpy, pandas, scikit-learn, TensorFlow, Jupyter notebooks, PostgreSQL, React

**Finance:** Investment analysis, Time-series forecasting, Financial & Risk modeling (DCF, comparables), Asset allocation, Hypothesis testing, Tableau, Microsoft PowerBI, Yahoo Finance API, Bloomberg terminal

**Certifications:** Machine Learning Specialization(DeepLearning.ai), SQL for Data Science(Coursera)

## PROJECTS

### Macroeconomic Signal Builder | *Python, pandas, yFinance, scikit-learn*

- Built a **signal system** using economic data to **predict market shifts** and guide stock investment timing.
- Designed **time series pipelines** with rolling stats & volatility metrics to generate **real-time trading signals**.
- Automated signal performance tracking in **Python**, improving development speed and reproducibility.
- Backtested** signal strategies, **increasing Sharpe ratio by 18%**; cutting losses by 12% vs. passive investing.

### Equity Screening Platform | *Python, FastAPI, yFinance, PostgreSQL, NextJS*

- Built a custom stock screener to find undervalued, high-yield, low-risk U.S. equities from a 2,000+ stock universe.
- Implemented filters for valuation, dividends, volatility, and size to surface actionable investment opportunities.
- Developed a full-stack platform with **FastAPI** and **Next.js** to fetch, process, and display real-time market data.
- Optimized **API performance**, reducing latency by 40% to improve speed and user experience.

## EXPERIENCE & CAMPUS INVOLVEMENT

### Student Analyst

*Wingate Investment Club*

Apr. 2024 - Present

*Wingate, NC*

- Conduct **equity research** and pitch **buy/sell ideas** to a student-run fund managing **\$200K in assets**.
- Perform weekly **analysis & valuation** of equities & ETFs using DCF, comparables, & comps-based valuations.
- Inform portfolio decisions and annual rebalancing across 10+ sectors, contributing to **alpha generation**.
- Contributed to the fund **outperforming the S&P 500 by 2%** over the latest fiscal year.

### Interlibrary Loan Assistant

*Ethel K. Smith Library*

Nov. 2023 - Present

*Wingate, NC*

- Process 200+ book and article requests monthly for students and faculty across 40+ partner institutions.
- Reduced average request turnaround time by 15% in two semesters through efficient tracking and communication.
- Maintained 99% accuracy in **recordkeeping & inventory management** using organized workflows.
- Assist with technical support & help **maintain** the library's **website** & research **database** access for students.