Michael Kwabena Gyimadu

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EDUCATION

Wingate University Expected May 2027

Bachelor of Science in Mathematics, Economics Minor *Wingate, NC*

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

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

TECHNICAL SKILLS & CERTIFICATIONS

Programming: Python, 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

PROJECTS

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

- Developed a rule-based signal system using macroeconomic indicators (GDP growth, inflation, Fed funds rate) to anticipate equity market shifts and optimize portfolio timing.
- Engineered time series pipelines with rolling statistics and volatility metrics to generate interpretable signals; automated performance tracking with Python and pandas.
- Backtested signal strategies on historical market data, achieving a Sharpe ratio improvement of 18% over a passive benchmark and reducing drawdown by 12%

Equity Screening Platform | *Python, FastAPI, yFinance, PostreSQL, NextJS*

- Designed and deployed a custom stock screener to identify undervalued, high-yield, and low-volatility U.S. equities from a universe of 2,000+ US stocks.
- Implemented filters for valuation (P/E < 20, P/B < 3, income (dividend yield > 2%), risk (beta < 1.2, and size (small-, mid-, large-cap) to surface actionable ideas.
- Built a full-stack platform using FastAPI and NextJS to fetch, process, and display live market data; optimized query performance and reduced API latency by 40%

EXPERIENCE & CAMPUS INVOLVEMENT

Student Analyst Apr. 2024 - Present

Wingate Investment Club *Wingate, NC*

- Conduct equity research and present buy/sell recommendations to a student-managed fund committee overseeing a portfolio of $200,000.
- Perform valuation using DCF and comparables and analysis of company financials, sector dynamics, and macroeconomic trends to inform investment decisions
- Contribute to portfolio rebalancing and alpha generation across multiple sectors; the fund outperformed the S&P 500 by 2 percentage points in the most recent fiscal year.

Interlibrary Loan Assistant Nov. 2023 - Present

Ethel K. Smith Library *Wingate, NC*

- Processed 200+ book and article requests monthly for students and faculty across 40+ partner institutions.
- Reduced average request turnaround time by 15% through efficient tracking and communication.
- Maintained 99% accuracy in recordkeeping and inventory management.