

Alfred Mulinge Maweu

Data Analyst & Quantitative Researcher

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LinkedIn

Professional Summary

A passionate quantitative analyst with expertise in predictive modeling, financial analytics, and data-driven decision making. My interdisciplinary approach combines rigorous statistical methods with cutting-edge technology to solve complex real-world problems across industries. Known for creativity, diligence, and an unwavering commitment to achieving excellence.

Education

Strathmore University

March 2024 – November 2027

Bachelor of Science in Statistics and Data Science

- Specializing in predictive analytics and econometric modeling with coursework spanning machine learning, statistical computing, and business intelligence applications
- Produced the top-ranked report on a food prices dataset, outperforming all first- and second-year cohorts
- Head of Data Science at Strathmore University entrusted with Islamic Banking research work

Professional Experience

USAID — ACDI/VOCA — RLA

January 2025 – Present

Data Analyst

- Conducting comprehensive data analysis on the Russia-Ukraine conflict impacts
- Developing predictive models for humanitarian response planning
- Creating frameworks for economic recovery prioritization
- Reporting directly to UN stakeholders with actionable insights for crisis mitigation

iLab Africa

October – November 2024

Food Prices Analysis

- Delivered an award-winning analysis of food prices, recognized for its depth and accuracy
- Applied advanced tools including R, LaTeX, statistical modeling, and data visualization

Wall Street Data Analyst Coaching

Ongoing

Mentored by Dr. Karanja Gacuca

- Handpicked for one-on-one mentorship based on exemplary analytical reporting
- Developing advanced analytics and decision-making frameworks

Enkaare

February – March 2025

Data Analysis Intern

- Developed talent matching algorithms and data-driven recruitment strategies
- Created comprehensive marketing strategy through market research

Black Panther TKN

January – March 2025

Crypto Economics Consultant

- Designed probabilistic models for tokenomics and reward distribution algorithms
- Developed mathematical frameworks for sustainable token valuation

Technical Skills

- **Predictive Analytics:** Advanced statistical modeling, time series forecasting, machine learning
- **Data Science:** Python (Pandas, NumPy, SciPy, TensorFlow), R, statistical modeling
- **Web Development:** Full-stack development (Django, React, Node.js)
- **Financial Modeling:** Quantitative analysis, risk assessment, algorithmic trading strategies
- **Data Visualization:** Matplotlib, Seaborn, Plotly, Tableau
- **Database Management:** SQL, PostgreSQL, MongoDB

Projects

Kenyan Food Price Analysis

2024

Longitudinal Study (2006-2024)

- Developed econometric models to identify key drivers of price volatility
- Created policy recommendations using ARIMA and VAR methodologies

TransparentTrack NGO System

2024

Blockchain Solution

- Developed end-to-end solution for transparent fund disbursement
- Implemented with Django, React, and Hyperledger Fabric

BizLens SME Management Platform

2024

Mobile Application

- Built comprehensive business management solution with React Native
- Integrated computer vision for product recognition

Certifications

- Olympiad Teacher Certification (CEMASTE & University of Nairobi, December 2023)

- Huawei Data Analytics Certification

Math

- Represented Kenya in the East African Mathematics Olympiad (2024)
- Achieved 7th place nationwide in the 2023 Mathematics Olympiad
- Achieved 4th place nationwide in the 2023 Brookside National Mathematics Contest held at Mang'u Girls
- Peer Counsellor at Nairobi School, fostering personal growth for peers

Volunteer Experience

Growth to Mathare City Movement

Financial Consultant and Speaker

- Conducted financial literacy workshops for community empowerment
- Delivered motivational speeches to inspire youth development

Research & Publications

- Comprehensive analysis of Islamic banking customer acquisition strategies
- Agribusiness market research with private equity applications
- War impact analysis for UN humanitarian response planning

Professional Development

- Blockchain and cryptocurrency market analysis
- NGO management and impact measurement frameworks
- Financial modeling and quantitative analysis certification

Interests

- Swimming
- Mathematics
- Community development

Referees

Fr. John Kuria
High School Priest

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Prof. Stephen Wanyonyi Luketero
Chairman, Department of Mathematics, University of Nairobi

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Dr. Richard Kyalo
Technical Lead Data Analytics, USAID

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