

Alfred Mulinge Maweu

Data Analyst & Quantitative Researcher

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LinkedIn

Professional Summary

A passionate quantitative analyst with expertise in economic predictive modeling, financial analytics and data-driven decision making. My interdisciplinary approach combines rigorous statistical methods with cutting-edge math and 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 – Present

Bachelor of Science in Statistics and Data Science

- Specializing in predictive analytics and econometric modeling with coursework spanning data analytics and visualisations, statistical computing and business intelligence applications
- Produced the top-ranked report on a National 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 – February 2025

Data Analyst (Short-Term Assignment)

- Cleaned and structured large datasets to support humanitarian response analysis related to the Russia-Ukraine conflict
- Conducted research and exploratory analysis to inform economic recovery strategies
- Developed presentation materials and slide decks for internal briefings and external stakeholders
- Completed a consulting-style case assignment modeled after Dalberg Data Insights, proposing data-driven use cases for a development finance institution in the agribusiness sector

SecureAid

May 2025

Web Platform Developer

- Prototyped a digital solution to mitigate corruption in fund disbursements for aid programs
- The live prototype is accessible at secureaid.online

DealFuze (UK VC)

April - May 2025

Algorithm Developer

- Developed a matching algorithm to connect investors with founders based on aligned goals and investment readiness
- Worked under the mentorship of Noella Spitz, Senior Developer

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

February - March 2025

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 Analyst

- 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
- **Data Analysis:** Python (Pandas, NumPy, SciPy, TensorFlow), R, Statistical Modeling, PowerBi, Excel
- **Web Hosting:** Render
- **Financial Modeling:** Quantitative analysis, risk assessment
- **Data Visualization:** Matplotlib, Plotly, Tableau, PowerBi
- **Database Management:** SQL with supabase, MongoDB, Firebase

Projects

TengaPesa Platform

Ongoing

tengapesa.onrender.com

- A proposed enhancement to M-PESA enabling users to create purpose-specific mini-wallets

- Features include configurable lock mechanisms and withdrawal conditions for disciplined financial planning. Still working on it.

MemVault Platform

2025

memvault.onrender.com

- Designed and developed a planning platform combining journaling, event scheduling, and photo storage
- A fusion of journal, Google Calendar and Google Photos with a focus on privacy and usability

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

Ongoing

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
- Peer Counsellor Certification at Nairobi School, fostering personal growth for peers

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

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

MIT Kuo Sharper Currency Volatility Center

2025

Volunteer note taker

- Assisted in taking notes that would be later on used to help better understand the meeting's minutes.

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

Noella Spitz

Senior Developer, DealFuze

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Dr. Richard Kyalo

Technical Lead Data Analytics, USAID

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