Oliver Njeru

Portfolio | LinkedIn | Google Scholar | GitHub | Figma | Unsplash

EDUCATION

United States International University-Africa | BSc. in Applied Computer Technology; Concentration in Software Engineering — Apr 2025
- Activities: Business Data Analytics TA, Finance Club, Swimming, Photography.
- Courses: Data Structures and Algorithms, Applied Machine Learning, Software Design & Architecture, Database Systems.

London Institute of Banking and Finance | Level 4 Diploma in Sales and Trading; Concentration in Market Making — Mar 2023
- Modules: Investment Strategies & Processes, Industry Insights, Equity, Commodity and Bond Markets.

Strathmore University | Diploma in Business Information Technology — Sep 2021
- Activities: IEEE Vice President & Member, SUITSA Member.
- Courses: Business Finance & Economics, Accounting, Business Statistics.

WORK EXPERIENCE

Black Eternum Capital | Founder — Aug 2024 - Present
- Our mission is to empower traders and investors by providing access to essential resources and knowledge tailored to Kenya's dynamic market.

Replicant Trader | Founding Engineer — Feb 2024 - Present
- Conducted market research to gain a deeper understanding of business requirements.
- Built a secure, reliable and scalable system.

USIU-Africa School of Science & Technology | Machine Learning Research Assistant — Oct 2023 - Present
- Publication: Co-authored a conference paper, DbAPI: A Backend-as-a-Service Platform for Rapid Deployment of Cloud Services (Published in IST Africa in July 2024).
- Investigating the application of AI in Stochastic environments in Finance.

IBM Research Africa | Software Engineer Intern — Jun - Aug 2023
- Built a sophisticated UI for Foundation Models as a Scrum Master in an Agile team.
- Publication, SPARK: Harnessing Human-Centered Workflows with Biomedical Foundation Models for Drug Discovery on IJCAI.

Investment Bank Global Markets Trading Academy | Sales Trader and Market Maker — Mar - Jul 2023
- Placed 3rd in a pool of 56 participants with a 100% score in Commission & Fat Finger Count.
- Executed trades with a 96% accuracy rate, demonstrating strong client matching and risk management skills.

USIU-Africa | Campus Work Study — Jan 2022 – Apr 2024
- Led a team of three in the collection of data for the archives department.
- Performed extensive data visualization and analysis.

SKILLS

- **Languages:** Python, JavaScript, Java, C#, C++, SQL, Bash, Swahili, Spanish, French
- **Software Engineering & Full-Stack Web Development:** ReactJS, NodeJS, HTML, CSS, Django, Flask, SQL, Firebase, Vercel, Linux, Docker, GitHub, Figma, Android Studio
- **Soft Skills**: Problem solving, leadership, teamwork, excellent communication, resilience, collaboration & organizational skills.
- **Interests**: Innovation, Software Engineering, Quantitative Developer, Quantitative Trading, Research, Global Financial Markets.

CERTIFICATIONS

McKinsey Forward Program — November 2023
- Learned and applied the EPIC framework in a team environment.

JP Morgan Software Engineering Virtual Experience on Forage — September 2023
- Fixed repository files to ensure correct web application output (Python, NodeJS, npm, TypeScript).
- Utilized JPMorgan Chase's Perspective library to generate a live graph for traders to monitor data feeds.

Corporate Analyst Development Program Virtual Experience on Forage — December 2022
- Acquired skills in Data Analysis & Visualization using tools like Microsoft Excel and Tableau for dynamic data visualization via dashboards and storytelling with Microsoft PowerPoint.

AWARDS

Hult Prize USIU Innovation Week, First Runner's Up — July 2022
- Developed an innovative solution in the medical field that facilitated the immediate request of an ambulance via your mobile phone.

Unsplash, A Photo Community Website
- Curated appealing photos, garnering a global audience of over 1 million across Figma, PicsArt, Trello, Padlet, and Squarespace.