

# Oliver Njeru

Portfolio | LinkedIn | Google Scholar | GitHub | Figma | Unsplash  
[onjeru@usiu.ac.ke](mailto:onjeru@usiu.ac.ke)

## EDUCATION

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- 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

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- 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

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- **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

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- 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

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- 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.