

# Oliver Njeru

<https://olivernjeru.github.io> | [LinkedIn](#) | [Google Scholar](#) | [GitHub](#) | [Figma](#) | [Unsplash](#)  
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## EDUCATION

<b>United States International University-Africa</b>   BSc. in Applied Computer Technology; Concentration in Software Engineering	Apr 2025
<ul style="list-style-type: none"><li>Activities: Business Data Analytics TA, Finance Club, Swimming, Photography.</li><li>Courses: Data Structures and Algorithms, Applied Machine Learning, Software Design &amp; Architecture, Database Systems.</li></ul>	
<b>London Institute of Banking and Finance</b>   Level 4 Diploma in Sales and Trading; Concentration in Market Making	Mar 2023
<ul style="list-style-type: none"><li>Modules: Investment Strategies &amp; Processes, Industry Insights, Equity, Commodity and Bond Markets.</li></ul>	
<b>Strathmore University</b>   Diploma in Business Information Technology	Sep 2021
<ul style="list-style-type: none"><li>Activities: IEEE Vice President &amp; Member, SUITSA Member.</li><li>Courses: Business Finance &amp; Economics, Accounting, Business Statistics.</li></ul>	

## WORK EXPERIENCE

<b>Black Eternum Capital</b>   Founder	Aug 2024 - Present
<ul style="list-style-type: none"><li>Our mission is to empower traders and investors by providing access to essential resources and knowledge tailored to Kenya's dynamic market.</li></ul>	
<b>Replicant Trader</b>   Founding Engineer	Feb 2024 - Present
<ul style="list-style-type: none"><li>Conducted market research to gain a deeper understanding of business requirements.</li><li>Built a secure, reliable and scalable system.</li></ul>	
<b>USIU-Africa School of Science &amp; Technology</b>   Machine Learning Research Assistant	Oct 2023 - Present
<ul style="list-style-type: none"><li>Publication: <a href="#">DbAPI: A Backend-as-a-Service Platform for Rapid Deployment of Cloud Services</a> in IST Africa, July 2024.</li><li>Investigating the application of AI in Stochastic environments in Finance.</li></ul>	
<b>IBM Research Africa</b>   Software Engineer Intern	Jun - Aug 2023
<ul style="list-style-type: none"><li>Built a sophisticated UI for Foundation Models as a Scrum Master in an Agile team.</li><li>Publication: <a href="#">SPARK: Harnessing Human-Centered Workflows with Biomedical Foundation Models for Drug Discovery</a> in IJCAI, August 2024.</li></ul>	
<b>Investment Bank Global Markets Trading Academy</b>   Sales Trader and Market Maker	Mar - Jul 2023
<ul style="list-style-type: none"><li>Placed 3rd in a pool of 56 participants with a 100% score in Commission &amp; Fat Finger Count.</li><li>Executed trades with a 96% accuracy rate, demonstrating strong client matching and risk management skills.</li></ul>	
<b>USIU-Africa</b>   Campus Work Study	Jan 2022 – Apr 2024
<ul style="list-style-type: none"><li>Led a team of three in the collection of data for the archives department.</li><li>Performed extensive data visualization and analysis.</li></ul>	

## 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

<b>McKinsey Forward Program</b>	November 2023
<ul style="list-style-type: none"><li>Learned and applied the EPIC framework in a team environment.</li></ul>	
<b>JP Morgan Software Engineering Virtual Experience on Forage</b>	September 2023
<ul style="list-style-type: none"><li>Fixed repository files to ensure correct web application output (Python, NodeJS, npm, TypeScript).</li><li>Utilized JPMorgan Chase's Perspective library to generate a live graph for traders to monitor data feeds.</li></ul>	
<b>Corporate Analyst Development Program Virtual Experience on Forage</b>	December 2022
<ul style="list-style-type: none"><li>Acquired skills in Data Analysis &amp; Visualization using tools like Microsoft Excel and Tableau for dynamic data visualization via dashboards and storytelling with Microsoft PowerPoint.</li></ul>	

## AWARDS

<b>Hult Prize USIU Innovation Week, First Runner's Up</b>	July 2022
<ul style="list-style-type: none"><li>Developed an innovative solution in the medical field that facilitated the immediate request of an ambulance via your mobile phone.</li></ul>	
<b>Unsplash, A Photo Community Website</b>	
<ul style="list-style-type: none"><li>Curated appealing photos, garnering a global audience of over 1 million across Figma, PicsArt, Trello, Padlet, and Squarespace.</li></ul>	