

Alice Mumbi

Email: alicemumbi82@gmail.com | LinkedIn: www.linkedin.com/in/licie-mumbi507a00170 | GitHub: <https://github.com/liciemw>

Summary

Blockchain researcher and developer with a strong foundation in data science, analytics, and statistics. Passionate about advancing research in the Web3 space, with hands-on experience in smart contract development, vulnerability research, and community-driven education. A dedicated advocate for secure, decentralized technologies, committed to empowering developers with the tools and knowledge needed to create resilient blockchain applications. Actively contributing to the blockchain ecosystem through open-source projects, public goods security, and educational initiatives that promote widespread adoption and understanding of Web3 technologies.

Key Skills

- **Solidity Programming & Smart Contract Development:** Expertise in designing and implementing secure, scalable blockchain-based applications.
- **Blockchain Architecture & dApps:** Strong grasp of blockchain frameworks, decentralized application development, and infrastructure.
- **Blockchain Research & Development:** Contributor to public goods with a focus on advancing blockchain research, best practices, and innovative solutions.
- **Data Analysis & Statistical Modeling:** Proficient in analyzing complex datasets, applying statistical methods, and deriving actionable insights to inform decision-making.
- **Machine Learning & Predictive Analytics:** Experienced in building and deploying models for data-driven predictions and optimizations.
- **Open-Source Collaboration & Technical Documentation:** Skilled in contributing to open-source projects, writing clear documentation, and creating educational resources.
- **Community Building & Education:** Experienced in organizing blockchain meetups, workshops, and content creation to empower and educate the Web3 community.

Experience & Projects

- Solana Turbin3 Research Fellow

Selected as a research fellow to explore cutting-edge solutions in the Solana blockchain ecosystem. Conducted in-depth analysis on scalability, decentralized finance (DeFi) applications, and innovative uses of blockchain technology.

- Solidity Smart Contract Development

Developed and deployed a Solidity-based smart contract to manage decentralized real estate transactions on the blockchain. Enhanced security and transparency in property exchanges by leveraging the decentralized nature of blockchain technology.

- **Blockchain Industry Research**

Investigated how regulatory shifts are redefining the blockchain industry, with a focus on their impact on adoption, innovation, and ecosystem growth. Published insights and recommendations for navigating regulatory landscapes.

- **Open-Source Contributions**

Maintained GitHub repositories to share blockchain resources, educational content, and tools with the developer community, fostering collaboration and skill development in the Web3 space.

- **Data Analytics Project**

Conducted a data analytics initiative focused on user behavior. Applied statistical modeling and data visualization to extract actionable insights and inform strategic decisions.

Education

- **Blockchain Specialization** (University of Buffalo, Coursera)
- **Full Stack Web3 Development with JavaScript** (freeCodeCamp)
- **Data Science** (Moringa School)
- **Statistics** (Egerton University)

Learning Initiatives & Community Engagement

- **Blockchain Bridger:** Founded and actively manage an educational forum and website to promote Web3 and blockchain learning, focusing on public goods security and best practices for Ethereum developers.
- **Open-Source Resources:** Developed materials and tutorials aimed at helping developers transition from Web2 to Web3 with a focus on security practices.
- **Social Media Outreach:** Regularly post blockchain-related content to raise awareness and educate a broader audience on the importance of blockchain security and ecosystem developments.