

El Yadah Ibyigize Kalisimbi

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SUMMARY – CYBERSECURITY ANALYST

Globally mobile cybersecurity analyst. Specialized in Governance, Risk & Compliance (GRC), cybersecurity policy, and security operations. Experienced in cybersecurity risk assessment, policy-oriented research, vulnerability assessment, and secure systems development across academic and industry environments.

Exposure to penetration testing, governance frameworks, and cybersecurity risk assessment, with a strong interest in organizational resilience, security strategy, and practical security solutions. Able to communicate technical findings clearly to both technical and non-technical audiences.

EDUCATION

Master of Science | Information Technology

Carnegie Mellon University

2024 – 2026

- **Specialization:** Cybersecurity | **GPA: 3.9/4.0**
- **Relevant Coursework:** National Cyber Policy and Strategy, Cybersecurity Policy and Governance, Information Security Risk Management, Cybersecurity Operations (SOC), Ethical Hacking, Threat Analysis

Bachelor of Science | Computer Science

University of Rwanda

2019 – 2024

- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Networking, Interactive Web Development, Introduction to AI, Data Mining

PROFESSIONAL EXPERIENCE

Cybersecurity Intern

ShieldTech Hub, The Upanzi Network

July 2025 – Aug 2025

- Contributed to the development of a parental control mobile app aimed at enhancing child online safety
- Designed and implemented secure device authentication and parent-child account binding mechanisms
- Developed role-based authorization controls to enforce access restrictions between linked devices

CyberSec, IT Infrastructure & Support Manager

Africa Quantitative Science (AQS)

Sept 2023 – Aug 2024

- Conducted infrastructure-wide risk assessments to identify potential cybersecurity threats and control gaps
- Produced strategic cybersecurity assessment reports with risk mitigation recommendations
- Supported organizations registration and certification under the Rwanda's DPP law No 058/2021 as data controller/processor

Teaching Assistant, Introduction to Information Security

Carnegie Mellon University, Pittsburgh

Jan 2026 – May 2026

- Supported instruction for a graduate-level cybersecurity course by guiding students through foundational concepts in security, facilitating discussions, and assisting with assignments and labs

Project Intern

Rwanda Space Agency

May 2023 – July 2023

- Developed ML models for land cover classification, achieving 97% accuracy

- Processed 6000+ geospatial images, ensuring structured annotation workflows
- Exposed to AI systems handling large-scale datasets within a national infrastructure context

PROJECT WORK

ERM Simulation (Information Security Risk Management)

Jan 2026 – Mar 2026

- Conducted comprehensive asset identification and classification for a selected organization
- Performed risk analysis to evaluate threat likelihood and impact
- Defined organizational risk appetite and tolerance thresholds aligned with strategic objectives
- Developed risk governance structures and cybersecurity policy recommendations

Automation of OWASP 10 Vulnerabilities

Aug 2025 – Dec 2025

- Researched common weaknesses and vulnerabilities affecting web applications
- Developed and tested a script to detect different variations of path traversal

SOC/VAPT Project

Feb 2025 – Apr 2025

- Performed a full-stack penetration test covering incident categories such as malware, DDoS, and web attacks; delivered audit reports with remediation strategies

SKILLS & INTERESTS

Technical: Linux, ELK Stack, Python, Jupyter, Bash

Security & GRC: Risk Assessment, Policy Development, Threat Analysis, Governance & Compliance, Data Protection & Privacy

CIRT/SOC Tools: MISP, Nikto, Suricata, Wireshark, Nmap, ZAP, VirusTotal, Packet Tracer

Research & Communication: Literature review, Data Analysis, Technical Writing, Data Visualization

Tools: Notion, Excel, Overleaf

Interests: Reading, Traveling, Puzzles, Music, Dance

TRAINING & CERTIFICATES

- IBM Cybersecurity Analyst (Coursera)
- AI-Powered Next Generation Entrepreneurship
- Algorithm Rideshare Program

REFERENCES & RECOMMENDATIONS

- Timur Snoke | tdsnoke@cert.org | +1(540)-597-2143 ~ *Adjunct Faculty, Carnegie Mellon University*
- Louis Ndayizeye | l.ndayizeye@africaqs.com | +250790204780 ~ *Information Security Director, Africa Quantitative Sciences*
- Jema David Ndibwile | jeman@cmu.edu | +250787002911 ~ *Assistant Professor, Carnegie Mellon University Africa*