Trevor Henry Chiboora
+1 201 616 1693, Newark, New Jersey | linkedin.com/in/tchiboor | github.com/tchiboor

Professional Summary

Master's student in Cybersecurity & Privacy at NJIT with 2+ years of experience in security operations, scripting, and systems security. Skilled in SOC monitoring, malware analysis, vulnerability assessments, and building secure infrastructure. Cisco CyberOps Associate, Comptia Pentest+, and ISC² Certified in Cybersecurity. Seeking roles as a SOC Analyst or Security Engineer to apply and expand expertise in threat detection, incident response, and network defense.

Core Skills

- **SOC & Security**: Monitoring, Incident Response, Malware Analysis, VAPT, Honeypots
- **Security Engineer**: Firewalls, AD, DNS/DHCP, Proxmox, pfSense, System Hardening
- **Tools & Scripting**: Elastic, Security Onion, MISP, Suricata, Zeek, Python, Bash
- **Networking & Systems**: Firewalls, AD, DNS/DHCP, pfSense, Proxmox
- Cybersecurity Education | Mentoring | Research

Professional Experience

Research Associate – Upanzi Network / CyLab-Africa | Jan 2023 – Aug 2025

- Monitored and triaged security alerts in SOC-style environments using Elastic Security and Security Onion.
- Automated security testing and log analysis with Python and Bash scripts.
- Deployed and integrated security tools including MISP, ELK, and Suricata.
- Conducted research and published findings on mobile application security and African cyber risk.
- Analyzed **200+ Android applications**, identifying vulnerabilities and producing a published security report.
- Monitored and triaged alerts in.

Teaching Assistant – Harare Institute of Technology | Mar 2019 – Jun 2021

- Supervised student projects, leading a group to achieve Distinction on their final project.
- Supported IT and cybersecurity course instruction, preparing labs, tutorials, and assignments.
- Assisted in exam delivery and academic support.

IT Officer – ZIMASCO Pvt. Ltd. | Sep 2017 – Jul 2018

- Provided Tier II IT/security support for 500+ enterprise users.
- Monitored and troubleshot enterprise networks, hardware, and applications.
- Strengthened endpoint security and ensured compliance with IS policies through internal audits.
- Created user accounts and resolved endpoint security issues.

IT Intern – ZIMASCO Pvt. Ltd. | Aug 2015 – Aug 2016

- Provided helpdesk support, logged incidents, and resolved system issues.
- Assisted with network configuration and system administration.

Education

Master of Science in Information Technology (MSIT) – Carnegie Mellon University Africa
Specialization: IT and Computer Networking | Fall 2021 – Spring 2023

Bachelor of Technology in Information Technology – Harare Institute of Technology
Graduated with First-Class Honors (Distinction) | Aug 2013 – Jun 2017

Projects

Honeynet Deployment Project – Designed and deployed honeynets for AfricaCERT, capturing real-world attacker activity and producing actionable threat intelligence. Received recognition for honeynet design and deployment.

Attack & Detect Home Lab – Built lab with Windows/Linux servers, Active Directory, pfSense firewall, and Security Onion. Configured Elastic, Suricata, Zeek, and MISP to simulate real-world attacks and practice incident response, malware analysis, and system hardening.

Certifications

- Cisco Certified CyberOps Associate
- ISC2 Certified in Cybersecurity (CC)
- CompTIA PenTest+

Selected Publications & Projects

- *Evaluating Mobile Banking Application Security Posture Using OWASP MASVS Framework – ACM, 2023*
- *Security Challenges of Financial Mobile Apps in Africa – Approov, 2023*
- *Potential Privacy Violation on Manual Contact Tracing: A Rwanda Case Study – IEEE, 2023*
- *Built an Attack & Detect Lab (Windows, Linux, AD, pfSense, Security Onion) for continuous SOC practice.*

Honors & Awards

- AfricaCERT Recognition Award for honeynet design and deployment (MIMON & ATCHEDJI Projects).