

Mohale Boniwe Sthembiso

Computer Systems Engineering

INTRODUCTION

I am a dedicated individual driven by a passion for technology and innovation. I believe in the power of tech solutions to simplify and enrich everyday life, and I am continually seeking opportunities to expand my knowledge and skills. I am deeply inspired by the potential of technology to solve real-world challenges, and I am committed to contributing to the creation of accessible, user-friendly, and impactful solutions that make a meaningful difference in people's lives.

SOFT SKILLS

- Excellent written and verbal communication skills
- Empathetic and persuasive speaker.
- Strong organizational skills
- Excellent interpersonal and analytical skills
- Demonstrated leadership

LANGUAGES

English – Fluent

Sepedi – Fluent

Technical Skills

- Network Security
- Threat Analysis
- Incident Response
- Ethical Hacking & Penetration Testing
- Malware Analysis Security Measure
- Design Troubleshooting Configuration and Maintenance
- Cybersecurity Frameworks (NIST, ISO/IEC 27001)
- Security Information and Event Management
- Intrusion Detection and Prevention Systems
- Compliance and Regulatory Knowledge

Programming Languages

C, C++, C#, .Net, Unity
Python , MySQL
PLC Programming
Cisco Packet Tracing , Processing , Java
Assembly Language

EDUCATION

DIPLOMA IN COMPUTER SYSTEMS ENGINEERING

Tshwane University of Technology, Soshanguve, Pretoria | 2021 – Present

Modules :

Communication Science, Digital Electronics, Electrical Principles, Electronics, Mathematics, Programming, Network Systems, Project Construction, Computer Architecture and Organisation, Databases, Digital Process Control, Mathematics (second-year), Programming (second-year), Logic Design, Operating Systems, Programmable Logic Controllers, Artificial Intelligence, Mobile Robotics, Embedded Systems, Probability and Statistics, Project Design, Software Engineering, Work-Integrated Learning

EXPERIENCE



Cybersecurity and Network Engineer

Tshwane University of Technology

Internship

August 2025 - Present

- Web Application Security: Assess and ensure the security of web applications.
- Security Information Tracking: Monitor and track incoming security data and alerts.
- Minor Incident Handling: Address and manage minor security incidents.
- Incident Escalation: Escalate significant security incidents as needed.
- Network Security Vulnerabilities: Identify and address vulnerabilities in network security.
- Malware Analysis: Analyse and debug harmful software or malware.
- Threat Investigation: Investigate potential security threats and breaches.
- Penetration Testing Support: Assist with penetration testing to identify security weaknesses.
- Script and Automation: Develop scripts and automation tools to streamline security processes.
- Security Measures Design: Contribute to the development and implementation of security measures.
- Hardware Inventory: Maintain and manage inventory of hardware components.
- Networking Equipment: Deploy and configure networking equipment.
- Configuration Documentation: Document changes and configurations in IT systems.

REFERENCES

EMPLOYER

Professor Owolawi Pius
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WIL COORDINATOR

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