

# Emma Chiafukamnanya Nwanonenyi

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📄 Github

## Education

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### University of Winnipeg

Jan 2024 – present

*B.Sc. Applied Computer Science*

Winnipeg, Canada

Relevant Coursework: Information Systems, Application of Databases, Scientific Computing, Java, SQL

### Hack The Box

Nov 2022

*Cybersecurity Self-Study*

Relevant Topics: Web Application Security, SIEM, Cryptography, Software Security

## Skills

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### Threat Detection & Response

- SIEM: Splunk, Sentinel, QRadar, Elastic Cloud
- Threat Hunting: MITRE ATT&CK, OSINT (Shodan, Maltego)
- Digital Forensics: Wireshark, Email Analysis, Access Controls.

### Security Automation & Scripting

- Python, Bash, PowerShell, SQL
- Security Tools: Nmap, Nessus, Metasploit, Burp Suite, OpenVAS

### Cloud & OS Security

- Operating Systems: Linux, Windows, MacOS
- Cloud Security: SaaS Applications, Virtualization (VMware, VirtualBox)

### OS

- Virtualization: VMWare, Vbox
- Version Control: Git, GitHub
- Operating System: Linux, Windows, Mac

## Professional Experience

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### University of Winnipeg

Aug 2024 – present

*Student Help Desk Analyst*

- Investigated and resolved system anomalies, enhancing system reliability and reducing downtime by 15%.
- Assisted in monitoring security events, contributing to a 10% reduction in cybersecurity incidents.
- Provided technical support and optimized software deployment, improving operational efficiency by 20%

- Automated security incident response workflows using Python, reducing manual detection effort by 40%.
- Conducted vulnerability assessments and security audits, achieving 95% compliance with industry standards.
- Developed and deployed custom Splunk queries for log analysis, improving threat detection capabilities.
- Led cybersecurity awareness training, increasing phishing detection rates by 20%.

## Projects

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### SIEM Threat Detection HomeLab [↗](#)

- Built a home SIEM environment using Splunk, QRadar, and Elastic Cloud for hands-on threat detection.
- Developed custom detection rules for malicious log patterns, lateral movement, and privilege escalation.

### Malware Analysis & Threat Hunting [↗](#)

- Conducted dynamic malware analysis using IDA Pro and Cuckoo Sandbox to identify attack behaviors.
- Reverse-engineered obfuscated scripts and analyzed indicators of compromise (IOCs).

### Cybersecurity Projects [↗](#)

- Actively contributed to open-source cybersecurity projects, including vulnerability assessments and OSINT tool development, showcasing proficiency in real-world scenarios.

## Certificates

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### Microsoft Security Fundamentals [↗](#)

SC-900, AI-900

### Fortinet Cybersecurity Foundational Level

NSE\_1, NSE\_2, NSE\_3, NSE\_4.

## Languages

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English



French



Igbo

