

Lucas McMahon

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EDUCATION

Florida State University

Tallahassee, FL

Bachelor of Science in Cyber Criminology

December 2023

Relevant Coursework: Cyber-Crime Detection & Forensics, Computer Security Fundamentals, Network Administration, Data Structures & Algorithms in C++ Programming I-II

CERTIFICATIONS

- [CompTIA CySA+, June 2024](#)
- [CompTIA Network+, March 2024](#)
- [CompTIA Security+, October 2023](#)

PROJECTS

Intrusion Prevention using LimaCharlie

- Conducted Blue & Red Team exercises with LimaCharlie, showcasing proficiency in security operations, threat monitoring, and offensive/defensive techniques.
- Implemented host-based intrusion prevention and conducted log analysis with Yara, achieving 100% mitigation of malicious remote-control operations.
- Performed penetration tests simulating real-world cyber-attacks and developed an understanding of actionable insights for improving security defenses on a computer.

Scripting & Signature-based Detection with Zeek

- Modified and created scripts to filter and process network traffic data effectively, demonstrating proficiency in Zeek scripting for intrusion detection.
- Automated analysis tasks using Zeek's event-driven scripting language to extract DHCP hostnames and process pcap files, achieving a 95% reduction in manual effort.
- Utilized Zeek frameworks such as File Analysis and Intelligence to analyze 200+ network events, identifying and mitigating 10 anomalies.
- Used frameworks like hash analysis to verify file integrity and identify potentially malicious executables, supporting intrusion prevention efforts.

TECHNICAL SKILLS

Languages: PowerShell, Yara, C++, Python, Java

Programs: Wireshark, Nmap, Splunk, LimaCharlie

Platforms: Windows, Linux, MacOS, AWS, Google Cloud

WORK EXPERIENCE

Lenovo & Computer-Generated Solutions

Tampa, Florida

Technical Specialist

December 2023 – April 2024

- Proficient in diagnosing system malfunctions and creating spontaneous strategies.
- Adept at swiftly identifying and resolving intricate hardware and software issues within the Lenovo technology environment showcasing advanced troubleshooting proficiency.
- Adhered to strict data confidentiality guidelines, ensuring the protection of customer information and privacy.

Isabella's Pizzeria

Tallahassee, Florida

Utility

May 2022 – August 2023

- Orchestrated and supervised a team ranging from 3 to 8 individuals, ensuring the delivery of exceptional customer experiences even in high-pressure scenarios.
- Developed strong communication skills through customer interactions.