

Lucas McMahon

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EDUCATION

Florida State University

Tallahassee, FL

Bachelor of Science in Cyber Criminology

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

CERTIFICATIONS

- [CompTIA Security+, October 2023](#)
- Google Cloud Essentials, April 2022
- TryHackMe SOC level 1, Linux Fundamentals, & more (130+ hours practiced)

PROJECTS

Intrusion Prevention using LimaCharlie

- Configured a secure virtualized environment on VMware with an Ubuntu Linux server as the attack VM and a Windows machine as the target VM.
- Leveraged features such as HIP and deep log analysis, demonstrating expertise in security operations and threat monitoring.
- Executed a Blue Team laboratory scenario, creating an implant for the Sliver server and deploying it onto the Windows VM securely.
- Performed penetration tests simulating real-world cyber-attacks, providing actionable insights for improving security defenses.
- Demonstrated the ability to simulate real-world scenarios by setting up an HTTP server via Python for file transfer, emphasizing skills in defense strategies and proactive security measures.

Splunk and VMware for Intrusion Detection & Data Migration

- Expressed proficiency in navigating the vSphere Client and performed essential tasks such as creating a virtual machine, intrusion detection, and initiating vMotion for dynamic workload migration.
- Established data forwarding from a Linux server to a Splunk platform for real-time log analysis utilizing Yara and SIEM tools for detection.
- Developed and implemented search queries and alerts in Splunk to detect and respond to potential security threats.

TECHNICAL SKILLS

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

Programs: Wireshark, Splunk, Snort, MS Access, Excel

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

WORK EXPERIENCE

Isabella's Pizzeria

Tallahassee, Florida

Cashier/Utility

October 2021 – August 2023

- Coordinate with a team of 3-8 to maintain high quality customer experience during high stress rush hours.

Southeast Sign Solutions

Dade City, Florida

Crew Leader/Installer

March 2018 – September 2021

- Operate specialty trade work in new construction and refurbishment construction. Developed skills to work independently and lead teams of 2-6