

**Lucas McMahon**  
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## EDUCATION

- **Bachelor of Science in Cyber Criminology** at *Florida State University*  
August 2023
- Relevant Coursework: DataStructures & Algorithms in C++ Programming I-II, CyberCrime 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.

### **Splunk and VMware for Intrusion Detection & Data Migration**

- Demonstrated 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.

## TECHNICAL SKILLS:

**Languages:** Powershell, Yara, MySQL, C++, Python, Java

**Programs:** WireShark, Splunk, Snort, MS Access, Excel

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

## ACTIVITIES:

- **Member** of Cyber Security Club, *Florida State University* (2021-2023)
- **Member** of ACM Programming Club, *Florida State University* (2020-2023)
- **Event Leader** for TSL Gaming Club, *Florida State University* (2019-2023)

## WORK EXPERIENCE:

### **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 efficiently.

### **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