WILLIAM **SHERRER**

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SUMMARY

An aspiring Cybersecurity Professional looking to contribute to full-time positions. I am wrapping up my master's with an emphasis on Networking and Security. I have gained valuable experience with cloud security, network security, and database security, and desire to use my skills to help protect information while also learning more.

EDUCATION

Completing in December 2022

Master of Science: Computer Science

Clemson University — Clemson, SC

- Graduate GPA – 4.0
- Emphasis on Networking, Systems, and Security. Depth in Data Science and Software Engineering
- BS – Computer Science. Minor in Cybersecurity

PROGRAMMING BACKGROUND

- Exploited security vulnerabilities in different layers of networks and learned about software-defined networking
- Led a team in the development of AWS-based websites using Python, HTML, JS, and MySQL databases
- Constructed AI models using Pytorch and Keras packages in Python
- Designed safe and secure AWS Cloud architectures to effectively route traffic on a network
- Gained experience in system administration and security of Linux/Unix systems through master's courses
- Decompiled and reverse-engineered Viruses on Windows to implement prevention tactics

DEVELOPED PROJECTS

- Replicated Firecracker, a Virtual Machine Monitor used in AWS systems, and developed tests to exploit security vulnerabilities
- Designed, developed, and tested multiple AI models using Pytorch such as a video captioning model, Generative adversarial networks (GAN) models on image replication, and other models in a study relating to improving training efficiency and effectiveness
- Created a Class B CDL incentive website using Amazon web servers and databases
- Built Metube - a knockoff website that mimics the functionality of YouTube. This was developed solely in PHP, HTML, and JavaScript.

WORK EXPERIENCE

April 2019 – April 2021

Clerk - QuikTrip

- Assessed customer needs and upsold products and services to maximize sales
- Maintained a well-kept store that satisfied QuikTrip and customers' standards

May 2021 - Present Contract Mover – Undergrads Moving

- Managed and exceeded customers' expectations through the moving, loading, and unloading of materials in homes, apartments, and businesses
- Led others in the organization of trucks and coordinated movers to work efficiently and effectively within the customers' time constraints