

Cory Stephenson
Columbia, Tennessee

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Objective Recent advanced-degree graduate seeking to use extensive academic background and experience to secure employment in the computer science specialty of information systems security and cyber security. Trained in the design of safeguards and rapid-response countermeasures critical to protecting embedded systems including policy and procedures, pen testing, risk assessment and mitigation of vulnerabilities. Ultimate objective is to become a vital contributor to the achievement of my employer's success and profitability.

Experience **Security & Privacy: Preserving Cyber-Physical Systems and Embedded Systems National Science Foundation (NSF) Internship**
Spring and Summer of 2018
Exploitation of Additive Manufacturing with 3D printers, sensor input to electronic units and industrial control systems. Used the Allen Bradley programmable logic controller to manipulate industrial control systems (ICS). Performed vulnerability assessments by compromising various circuitry and parts in the machinery to produce flaws.

Security & Privacy: Preserving Cyber-Physical Systems and Embedded Systems National Science Foundation (NSF) Internship
Spring and Summer of 2019
Demonstrated how to crack login credentials of systems (a method of pen testing). Used John the Ripper and Medusa to perform password cracking. Used Nessus program to run commands and to generate vulnerability reports. Accessed virtual machines in the UK to execute fork bombs on the machines by running a Linux command to overwhelm the computer's CPU. Performed malware analysis on samples of the banking trojan Trickbot by looking at the C# code to understand how it disabled the "virus & threat protection" mechanism.

Education Master of Science in Information Systems Security and Assurance – May, 2021
Summa Cum Laude – 3.93 GPA
Middle Tennessee State University, Murfreesboro, Tennessee

Bachelor of Science in Manufacturing and Engineering Technology – Fall, 2018
Minors: Computer Science, Mathematics and Business
Magna Cum Laude
Tennessee Technological University, Cookeville, Tennessee

Technical Skills

- Windows, macOS, Linux
- C++, Python
- HTML, JavaScript, CSS
- Raspberry Pi and Arduino
- Unix-like Systems
- Project Management

Certifications

Networking – New York University, 2022

Computer Hardware/Operating Systems – New York University, 2022

Industrial Automation & Robotics, Spring, 2019

Mechatronics, Spring, 2019