

Samantha Riggs

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e-Portfolio: <https://sites.wp.odu.edu/samantha-riggs>

Education

Old Dominion University, Norfolk, VA

Bachelor of Cybersecurity

May 2026

Wytheville Community College, Wytheville, VA

Associate of Arts and Science in Science

May 2021

Relevant Courses: Ethical Hacking and Penetration, Cyber Techniques and Operation, Networked Systems Security, Applied Machine Learning in Cybersecurity

Experience

Monarch Internship & Co-Op Office

March – April 2026

- Created a professional write-up analyzing the current cybersecurity landscape concerning higher education institutions as a whole
- Performed an evaluation of the office's workflows prevalent to cybersecurity
- Created a cybersecurity best practices manual for the office to utilize to enhance cybersecurity awareness
- Presented a PowerPoint presentation to office staff discussing the importance of cybersecurity awareness and best practices for the office
- Engaged and maintained communication with supervisor and other members of the office through platforms such as Outlook and Zoom

Relevant Projects

Ethical Hacking

- Conducted a port scan against a Windows XP machine in a virtual network environment
- Created and configured a deliverable payload
- Used a created payload to exploit a Windows 7 virtual machine and establish a remote connection
- Escalated privileges on a virtualized compromised machine

Active Reconnaissance and Vulnerability Scanning

- Utilized Nmap to scan all open ports and running services for a specified virtual host
- Used NSE scripts to determine all known vulnerabilities present in a specified virtual host
- Used scripts to perform a brute force attack on a virtualized compromised system

Skills

Programming Languages: Python, C#

Tools & Platforms: Wireshark, Nmap, Linux (Ubuntu, Kali), Metasploit, pfSense

Concepts: Malware analysis, firewalls, network protocols, ethical hacking