

William Bogusz

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Education

Virginia Tech Engineering

B.S., Computer Science, Cybersecurity Minor

May, 2024

Blacksburg, VA

- Intelligence Community Center of Academic Excellence (IC CAE) Scholar
- Awarded stipend for Undergraduate Research under sponsored Raytheon Fellowship (2021-Present)

Technical Knowledge

Skills: *Vulnerability Scanning, Security Control Auditing, NIST 800-53 Implementation, OSINT Research*

Languages: *Python, Java, Bash, C*

Tools: *Nessus, metasploit, nmap, Wireshark, Office 365*

Operating Systems: *Windows 7/10/11, Linux (Ubuntu, Kali, CentOS), MacOS*

Relevant courses: *Computer Org and Architecture | Applied Software Design | Software Design & Data Structures*

- **CompTIA Security+ Certified**

Aug 2022

Professional/Work Experience

Secure Systems Engineering Intern

May 2022 – Aug 2022

Raytheon Intelligence & Space, McKinney, TX

- Executed vulnerability scans on various system implementations (PetaLinux, Red Hat, Windows 7, Ubuntu) using Nessus
- Designed vulnerability remediation implementation guides for these systems based on analysis of Nessus output data and scope of product's mission/specific client requests for detection omission
- Tailored DoD STIG compliance expectations by assessing out-of-door functions of system components to ensure that they would be capable of meeting NIST 800-53 compliance
- Audited these components to ensure compliance and raised potential exception notices where necessary

Research Experience

Undergraduate Cybersecurity Research

Aug 2021 – May 2022

Hume Center, Virginia Tech

- Designed solutions to simulated security problems using Python and Bash
- Gained understanding of various hardware and software level exploits and their vectors
- Built fundamental understanding of security systems architecture
- Performed targeted vulnerability exploits on pre-designed Windows VMs using Metasploit payloads

Projects

Cyber Security Self-Guided Learning

Oct 2018 – Present

Vienna, VA

- Completed Various "Hack the Box," penetration testing scenarios
- Carried out SQL injection and vulnerability scanning on consenting sites
- Remain up to date with data breaches, leaks, and security exploits across a variety of sites and programs
- Gained in-depth understanding of social engineering techniques for account take-over and various systems breaching

Robotics Team Leader

Jan 2019 - Mar 2020

Reston, VA

- Developed project management skills by directing 12 team members to compete at a local and international level of Botball Robotics
- Lead hands-on leadership style to help team achieve set goals during Botball seasons
- Formulated and carried out goals relating to construction and coding of KIPR Wallaby Robots
- Ranked #1 in Greater DC Area and #3 Internationally in 2019