

CYSE 368 Reflection Paper 1

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My internship with the Griffiss Institute's Viceroy Maven Program focuses on cybersecurity within government institutions. In my specific program, I am working with the Department of Defense for the Army Research Laboratory (ARL) in Aberdeen Proving Ground, Maryland. Because of operational security there may be certain areas that I am unable to expand upon as this information is not approved for public release. During my first 50 hours working in the program, I was able to meet with Army employees and contractors that I will be working with over the summer. Specifically, I met with my direct mentors who introduced us to new software and digital tools that can be used to further defend and strengthen computer systems used to develop autonomous robotic platforms.

In addition to meeting my mentors and learning new software, I learned about various DoD organizations such as the Defense Information Systems Agency (DISA) and their various information security standards such as their Security Technical Information Guide (STIG) and their Security Content Automation Protocol (SCAP). STIGs are used to provide guide-lined instructions for securing computer systems while SCAPs are a protocol tool that provides a standardized approach to security automation.

Lastly, I learned about a robot operating software (ROS) that is in use by the developers at ARL for the robotic platforms. ROS is a set of software libraries and tools used to build robotic applications. By learning this software, I've been able to increase my usage and skills of Linux specifically with Ubuntu 20.04 and 22.04

In conclusion, my internship is helping me to build a better understanding of various cybersecurity techniques and the tactics to navigate the direction I want to take within my cybersecurity career.