

CYSE-368 Reflection Paper 3

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Throughout my continuing time with the DOD, my skills and knowledge of various security related tools and software has continued to improve. With another intern colleague we developed a plan to help teach high school students cybersecurity topics to garner more interest into this field. This includes better simplifying, reworking, and removing pieces of the plan to help drive in the main points that will help students become interested in the field.

Some core pieces of the plan include directly teaching the students about specific cybersecurity skills and tools, using test environments to give them an opportunity to develop their own understanding of cyber-related tools, and to gauge their understanding of cybersecurity before and after the program to improve. Other concepts include learning about network threats, human factors of security threats, and the law and ethics related to cybersecurity. By continuing to develop and rework the plan, it will help us to better engage and garner more interest into the field and encourage people to take more interest.

In addition to working with this project, I've also had the opportunity to continue working and begin the closing stages of our ROS2 project. Once we finish the project, we will present our findings in a poster to ARL management. The project has helped me to expand my understanding of Linux skills that will be transferable into other aspects of my cybersecurity career.

To conclude, my internship program has provided me with multiple experiences and skills that are helping me to understand what sector of cybersecurity I will work toward. Additionally, I've gained a new perspective of how cybersecurity is incorporated into various other technologies and learned more about its importance within various other technological sectors.

References

Judea, G. (2024, May 3). *Aberdeen Proving Ground, MD*. AEOP.
<https://www.usaeop.com/program/aberdeen/>

Tutorials. Tutorials - ROS 2 Documentation: Humble documentation. (n.d.-a).
<https://docs.ros.org/en/humble/Tutorials.html>