

CYSE 368 Reflection Paper 2

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6/27/2024

My experience working with the DoD has progressed within the additional 50 hours I've worked. I had an opportunity to build my skills in understanding how the robotic operating system (ROS) works in Ubuntu. This is helping me to build my coding and scripting skills in Linux. In the project I'm working with, I've also had the opportunity to learn how to operate within ROS2 and learn its uniqueness compared to ROS1. ROS2 has presented new challenges compared to ROS1 in relation to understanding how to migrate and operate an original ROS1 code into ROS2. Though I'm still working to understand and operate the software, my overall technical skills are continuing to develop that can be used later in my career.

Furthermore, I've also had the opportunity to start another program more focused around cybersecurity. This program is centered around teaching beginner cybersecurity topics to students within the Maryland public school system while also helping to further develop the knowledge of various cybersecurity tools to the educators/participants. The goal is to develop an interest into cybersecurity to kids who have not been exposed to cybersecurity or IT concepts. Additionally, it gives student interns a better understanding of cybersecurity topics by learning more and then teaching it to the younger students. We will use various software and applications to develop our own online classroom environment to instruct the students and help them gain a new understanding of computers and cyber safety.

To conclude, my experience over the last couple of weeks has been very interesting. After completing the project, I'll hope to have furthered my technical skills to a level that is greatly beneficial to my career than when I've started. Additionally, after the cyber mentorship program, it has given me a better perspective and makes me want to continue to learn more about cybersecurity and the need for it in today's environment.

## References:

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