

## **IDS 493 Reflection**

### **Introduction:**

My experience with ODU so far has been really good. I have met a lot of great people and have had a lot of great instructors. I have had a lot of great experiences and have gained a lot of knowledge that will help me for the remainder of my college career and my life. I have really enjoyed partaking in ODU's cybersecurity program. It was recommended to me by a friend who graduated from ODU, and he informed me about all the courses ODU has to offer and the knowledge I may gain, and he was correct. I have gained a ton of knowledge about various aspects within the cybersecurity field that I plan on using for the rest of my life and the rest of my cybersecurity career. From my CS 252 course, I have gained knowledge regarding the C++ coding language as well as completing small programs within CodeBlocks, Dev C++, VS Code and Eclipse. From my CYSE 301 course and CS 252 course, I have learned how to use software such as Wireshark, X2 Go, pfSense, Cain and Abel, Nessus, PuTTY, WinSCP and Linux. Some of my skills that I have learned so far include analyzing, sniffing, and tracing traffic, which I gained from my CYSE 301 course. I am expanding my ability at cracking a Wi-Fi password, cracking a computer password, using Linux and Linux commands, using Metasploit and Meterpreter, adjusting and creating firewall rules, determining critical vulnerabilities, and ethically hacking systems. Since I still have two more semesters left to complete before I graduate, I will be taking a cryptography course and a course to help enhance my knowledge and skills using Linux systems.

### **Program Reflection:**

The most valuable learning experiences from my time at ODU has been the vast amount of knowledge I have gained within the cybersecurity field and parts of the computer science field, and what cybersecurity certifications I should look to acquire. I have learned how to work with many forms of software and learned many new skills that will help me in the future. The biggest obstacle I had during my learning experience was understanding how to enter certain commands in my CYSE 301 course, but I overcame that obstacle once I really began to study and review the material. I then was good to go and completed the course with an A. Each course has helped me in a different way, a lot of which came from using various skills I learned in a previous course to complete a new course.

### **IDS 493 Reflection:**

IDS 493 is an excellent course for helping a student create and design an ePortfolio that can be extremely useful to show examples of work they have completed in their career field they are partaking in. The ePortfolio also allows students to describe themselves in an about me section, present their skills they possess, and present any awards & recognitions they have received. I have learned important concepts such as how to create and manage a website, how to add and remove menus and sub-menus, how to create and add a hyperlink and media to a website, and how to make a website more accessible. I think what I did well was include a good amount of coursework that will help future employers notice that I am a hardworking and flexible person who possesses good skills. The one thing I would point someone to in my portfolio is my CYSE 301 page. This page contains 6 labs that allowed me to

demonstrate my ability to work with Linux and use more complex commands, as well as use Wireshark to trace traffic and configure a firewall using pFSense. On this page, I was also able to demonstrate my ability to perform a penetration test on Windows, crack a password on Windows, and crack a Wi-fi password. I didn't really have any major challenges within IDS 493 but if I had to pick something, it would be that my color palette isn't exactly where I want it to be, even though I am satisfied with it overall, and my color palette is also something I feel like I could improve in my portfolio with more time. My IDS 300W course was helpful because it helped me create my site, complete my pre-writings, and receive feedback and implement feedback in an unbiased manner and understand why those who reviewed my site gave the specific feedback.

## **Conclusion:**

Being an interdisciplinary thinker and understanding interdisciplinary methods and theories is important for my courses and overall field of study because I need to be able to look at scenarios and work from an unbiased perspective and through multiple angles. I also may need to find solutions for various scenarios, receive feedback, and complete specific tasks for my future employer, and as mentioned, it is important to be able to do so in an unbiased manner. Each of my courses so far has had a connection in some way, such as previous knowledge from another course helping me complete coursework associated with the more recent course, and having my skills enhanced because of the previous course. My next steps after ODU are to acquire more certifications associated with cybersecurity and have a job within the cybersecurity field.