

Reflection Paper

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Abstract

This paper is a reflection paper with the goal of outlining different skills I have acquired over the years of my schooling. This paper will go over different artifacts that have played a role in defining these specific skills.

Critical Thinking

One of the most important skills that I have learned throughout my time at Old Dominion University is critical thinking. Critical thinking is one of the quintessential skills that is used in every aspect of life. Whether someone works as a cybersecurity analyst or an administration worker, critical thinking will be used to solve the various problems that arise. I am proud to say that school has bolstered this skill for me.

Cyber Law Writing Assignment 1

This assignment had a hypothetical state with concerns regarding privacy. I had to define data protection and privacy issues; define biometric data, PII, and GDPR; and we had to determine if certain laws would be feasible if they were adopted. I then weighed the pros and cons of different laws that could be used in regards to GDPR. This was a really good way to gain insight into different laws that would pertain to cyber instances.

The IoT Cybersecurity Improvement Act of 202

For this assignment, I chose a law that pertained to cyber law and analyzed it. I had to give a summary of the law and outline the problems that it addressed. I also had to give a background on why it was important. I then had to identify its effectiveness and give my thoughts on any improvements that could be made. This gave me the opportunity to analyze a law and see what it did and why it was important. This also gave me the ability to see what could have been done better.

Social Implications of NATO's Cyber Policy

For this assignment I had to pick an international cybersecurity policy and outline the social implications that the policy brought. This would focus on its effects on critical infrastructure, personal privacy, and combating cybercrime. This allowed me to dive into the world of cybersecurity policy making. This was a good way to see real world examples of different policies that were in effect and how they affected different social aspects.

Evaluating the Effectiveness of NATO's Cybersecurity Policy

Like the assignment before this one, I again analyzed the NATO cybersecurity policy and determined its effectiveness. This assignment allowed me to give my personal thoughts on the effectiveness of a certain policy which would require me to use critical thinking skills.

Technical Skills

One of the many things that I had picked up over my time at ODU was various technical skills used in the cyber world. I have taken a lot of cybersecurity courses and computer science courses which allowed me to cultivate my skills in technology. Anything from programming to network analysis were all used in my schooling.

CYSE 301 Assignment 1.2

This assignment was set to learn the basics of wireshark. Wireshark is a powerful tool which I have used in multiple classes throughout my studies. This tool allows you to monitor network traffic. This could give you the ability to sniff out activity that looks

suspicious. Wireshark comes with various filter settings that would allow someone to filter through all of the traffic.

CYSE 301 Assignment 2.3

This assignment was used in order to teach the skills needed to effectively network scan. Network scanning is a pretty common thing to do in the realm of cybersecurity. This helps to prevent any suspicious activity from continuing and it can help to find out issues regarding network errors.

CIA Triad

The CIA triad is one of the first things that a cybersecurity major will learn. It is a fundamental thing to know, and you will see it referenced many times throughout course studies pertaining to cyber security. This assignment was a write up explaining what the CIA triad is and what its importance is.

SCADA Systems

Applications for supervisory control and data acquisition is what SCADA stands for. SCADA systems are used to monitor critical infrastructure. These systems provide real time data on performance and status of these systems. These systems serve as targets for cyber attacks because of their importance. This is basic knowledge any cybersecurity professional should know about which would help with technical ability.

Information Gathering/Data Analysis

Throughout school, no matter what is being studied, students are constantly gathering data and analysing it. Whether it is for a project or a test it is something everyone does. This even translates to real world jobs. In a career you will constantly be

learning and trying to better your skills. This skill helps with understanding new problems and planning accordingly.

IDS Job Analysis

With this assignment, we had to analyse a current job posting to see what kind of things were to be expected of applicants. Not only did we look at what skills were required, but we also analysed the layout of the posting and the company that made the posting. With that we would be able to deduce the culture around the company by studying the professionalism of the post. This assignment was an in depth analysis which would require skills adept in information gathering and analysis.

Conclusion

There are many skills that would be considered valuable in the workforce and these are only a few. I believe critical thinking, data gathering, and technical skills are some of the basic skills that are critical to success. I am happy to say that, with confidence, that I have acquired and honed these skills.