Reflective Essay

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Introduction

In this paper, I will incorporate materials I have learned in Old Dominion. My major is

Cybersecurity. Most of the artifacts will be from my Cybersecurity courses, which are divided

into three categories of skills: Technical, Communication, and Critical Thinking. In my Technical

Skills, I will talk about internet sniffing from the CYSE 301 class, file permission from the CYSE

270 class, the program I created for CYSE 250, and some hands-on work I did for IT315. In my

Communication Skills, I will talk about my hard skills in being bilingual (English and Tagalog)

and being able to communicate in an elementary way in Spanish and French. For my Critical

Thinking Skills, I will talk about one of the papers I wrote for each class: CYSE 200

Cybersecurity Technology and Society, CYSE 300 Introduction to Cybersecurity, CS 462

Cybersecurity Fundamentals, CYSE 494 Entrepreneurship, CYSE 406 Cyber Law and CYSE 201

Cyber Security and Social Science. The disciplines of law, sociology, psychology, and economy

influenced all the skills I learned in my degree.

Technical Skills:

The following are the courses I took that helped me acquire the technical skills

necessary for my career goal. I learned sniffing and network tracing in CYSE 301 Cyber

Techniques and Operations. Sniffing is a technique used in network monitoring. It is one of the

important skills necessary in detecting and preventing possible cyber-attacks. In the CYSE 270

Linux System, I learned Program File Permission. It is also one of the artifacts I have posted.

The program is done using a virtual machine with the Linux operating system. Using Kali Linux

is one of the operating systems used today. It is the best operating system for system security.

File permission uses a command code to access files in the system. I learned to create an

interactive program in the CYSE 250 Basic Cyber Program and Network class. One of the

projects we had to do required an entry from a user. I created a Python program to help an ice

cream shop make ordering from a customer simple and easy. Finally, for my technical skills, I

have included some hands-on projects I did for IT 315 Introduction to Network and Security....

All these technical courses, especially sniffing and network tracing, according to the philosophy

course discipline, are considered ethical as they are part of the job description.

Critical Thinking Skills:

The following are the courses I took that helped me acquire the knowledge necessary

for my career goal. For my CYSE 200 Cybersecurity and Technology class, I wrote a short paper

on the CIA triad. CIA stands for confidentiality, integrity, and availability, which are the three

main principles of information security. It's one of the first cybersecurity terms I learned, and

it's very important for my career goal. For my CYSE 201 Cybersecurity and Social Science class,

I wrote a paper about the cybersecurity career I would like to pursue after I attain my

bachelor's degree. The job I wrote about is Cyber Risk Analyst. I chose Cyber Risk Analyst

because it requires working with data privacy and protection frameworks such as the National

Institute of Standards and Technology. For my CYSE 300 class, I wrote a paper on one of the

biggest security breaches that have taken place in the last few years. I wrote about the

LinkedIn breach. This paper taught me how important data protection is and how important it is to limit the private information we should share online. For my CS 462 Cybersecurity Fundamentals, I wrote a paper about another attack that took place in the year 2024. I wrote about Tencent Holdings, one of the biggest Chinese companies providing innovative internet products and services. I learned from writing this paper that no matter how big the company is and how secure its system is, there will always be a person (hacker) who matches the skills of the security system. For my CYSE 406 Cyber Law class, I wrote a memo regarding a Cyber Law Proposal. I enjoyed writing this memo because it's different from any papers I have written. It's also interesting because it's a proposal that could help educate society on Internet use. It's a fictional memo, but I also think it's something we do need in real life. It's a law class, which means the discipline of social law contributed to writing this piece. Lastly, for my class CYSE 494 Entrepreneurship in Cybersecurity, I wrote about one of the well-known entrepreneurs. I wrote about Jeff Bezos because he's one of the entrepreneurs with the biggest impact on our society today. His entrepreneurship has influenced us both in physical culture and virtual society. Besides the discipline of law, I have also incorporated the disciplines of Psychology, Sociology, and Economy in writing the papers I have mentioned.

Communication:

One of the skills I know is necessary for my career goal is language. I am fortunate enough to be able to speak two languages fluently. I speak Tagalog, one of the dialects spoken in the Philippines. I can communicate verbally and in writing. English is the second language in the Philippines. I learned how to speak English when I started my formal education. Many people from Asian countries study English in the Philippines before they immigrate to another country. I decided to learn French independently when I immigrated to the United States. I can speak and understand basic French. When my family and I immigrated to the United States, most of the neighbors we had were Latinos. Spanish influenced the Tagalog language because the Philippines was under the colonialism of the Spaniards for hundreds of years. Some of the Tagalog words are the same as Spanish words. I cannot say I am as fluent in Spanish, but I am able to communicate in Spanish better than in French.

Conclusion:

All the skills, courses, and programs mentioned in this paper are essential to my degree, especially my career goal. Each skill is unique and important. Understanding each discipline I mentioned is also important because of its connection within the cyber world; for instance, sociology is important in cybersecurity because cybersecurity is part of society, and society is the user of the cyber world. IDS 300 helped me incorporate different disciplines in understanding how certain cybersecurity fields work. Being an interdisciplinary thinker is important because everything we do in our lives is tied to one another.