CYSE 368 Cybersecurity Internship – Wise Technical Innovations (WTI)

by

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Reflection Paper #2

Prepared for

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For my internship with Wise Technical Innovation (WTI), for this reflection, I want to expound on my experience in a more technical sense. Since the last reflection, there have been opportunities to learn about Microsoft Defender and Sentinel. I also had the opportunity to work with other co-workers that shared their expertise, offered study sessions in preparation for the CMMC (Cybersecurity Maturity Model Certification) CCP (Certified CCMC Professional) certification. One thing to continue reflecting on is the amount of information that belongs in this area of expertise in the Cybersecurity field. When it comes to government contracts being awarded, I see that to be an expert in the ecosystem of the CMMC, you have to prepare and fully know your information. When organizations come to your business, the expectation is that you are the SME (subject matter expert) when it comes to CMMC assessments. The expectation is that you will be able to ensure that they are DoD (Department of Defense) complaint and able to go through the process as smoothly as possible.

Firstly, I want to explain more about the process of certification as a CMMC professional. As I explained before, I have a passion for the governance and compliance side, and I could not ask for a more prepared and knowledge team than at WTI (Wise Technical Innovations). In the last few weeks, I was also able to participate in a CMMC CCA (CMMC Certified Assessor) training session where I was able to observe and apply the foundational skills from the weeklong CCP course that I previously took. As mentioned from my last reflection, I was fortunate enough to collaborate with other Cybersecurity professionals, from all over the country, to come up with solutions to scenarios. I was to digest information that was shared and learned from the other Cyber professionals on their take on how they would approach an assessment. I really enjoy how the training is conducted by Koren Wise she engages with the trainees with application of the knowledge learned. In the many courses of instruction that I have taken, the training that I receive at WTI is of high-caliber and it is something that I would like to model when it comes to my own training sessions. Since training and development is a minor of

mine, I greatly appreciate the exposure of what good training looks like. The training coupled with the technical skills that I am absorbing makes for a great experience in my chosen internship.

With the process of achieving the CMMC certification, this will require extensive studying and the knowledge of many guidelines that are provided in our training courses. As a certified CCP, you must know the differences in what separates the different tier systems and how different network architecture gets allocated in them. Depending on where these organizations fall will be determined how they will be assessed. My hope is that I will be able to solidly know the foundational guidance from the NIST SP 800-171 in preparation for the certification exam.

During this reflection period, I was also able to join another intern from ODU and a co-worker in learning and using Microsoft Defender and Sentinel. Both serve as security management, and particularly with Sentinel, you can run audits on different parts of an enclave like emails, etc. I am very excited to learn how to use these security features, and something that was explained at WTI is that acquiring this skillset can be a specific specialization that one can pursue if you wanted. As a Cyber professional, I look forward to running audits and finding unique ways of performing different queries for specific needs.

In conclusion, working as an intern at WTI, I feel that I am getting so much experience on how to recommend different safeguarding methods as well as learning about real world applications. I am also able to observe different ways to offer organizations a path to better securing their enclave and have mitigation protocols. Part of my focus for the next month will be to take my CCMC CCP exam and become proficient in using Defender and Sentinel.