**Career Professional-Cyber Risk Analyst**

**CYSE 201 Cybersecurity and Social Science**

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**Introduction**

I chose Cyber Risk Analyst because it requires working with data privacy and protection frameworks such as NIST. What is a Cyber Risk Analyst? (CyberSN, 2024) The Cyber Risk Analyst supports the analysis, classification, and response to cybersecurity risks within an organization. These professionals address cybersecurity risk and analyze potential business and customer risk, aligning processes and controls to the relevant frameworks and internal systems.

**Career Relation to Social Science Research and Principles**

Social Science Research and Principles relate to Cyber Risk Analysts because the career deals with data information that can be obtained through research using Social Science principles. Social Science Research and Principles can help provide an outcome that will help me analyze and classify the reasons behind an organization’s risk exposure.

**Key Concepts that Apply to Cyber Risk Analyst**

The first key concept I learned from this semester that I believe applies to my career as a Cyber Risk Analyst is the Theories of Psychology. The Theories of Psychology will help me understand or analyze potential attackers. The potential attacker could be from within the organization, like a disgruntled employee. The disgruntled employee may have a motive to sell the organization’s information for fame or financial gain. To keep the disgruntled employee from executing the attack, I will analyze his or her organization's system credentials.

The second key concept is the Social System. The Social System refers to different institutions. Different social institutions require different kinds of security systems. Healthcare systems deal with more vital information than religious institutions. As a Cyber Risk Analyst for a healthcare system, I would need to focus more on the integrity, confidentiality, and availability of the organization’s information.

The third key concept is the Human Factor. As a Cyber Risk Analyst, it is important to consider or factor in humans. Human creates technology. Humans can destroy technology. It helps to understand that the Human factor can help us analyze the risks surrounding the organization’s information security.

The last key concept is Social Cybersecurity. (Carley, 2020) Social cybersecurity uses computational social science techniques to identify, counter, and measure (or assess) the impact of communication objectives. The awareness of where the data impacting the organization’s system is coming from is important for an analyst. Social cybersecurity is an important concept to consider because of how vast communication is and how manipulation of information is easier to accomplish in today's society.

**Career Relation to Marginalized Groups and Challenge they Face**

According to Data USA, there is a significant difference between males and females. The information collected in 2021 states that 82% of employees in the workforce are male, and the rest are female. According to Forbes.org, the potential implications or challenges are access to education and training, lack of mentorship and role models, and systemic racism.

**Relation to Society**

Cyber Risk Analyst relates to society because the organization where I would be working is part of the social system. The type of industry where I would be working deals with society, whether it’s selling information or material products. As a Cyber Risk Analyst, part of the information I would be dealing with has to do with society, not just the job.

**Conclusion**

The world is rapidly changing to a more virtual society. I want to be part of that world by changing my career to a Cyber Risk Analyst. Cyber Risk Analysts can also pursue another cybersecurity career, which I have considered, to help catch pedophiles and stop human trafficking online.

References:

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Readings include Beskow & Karley, (2019). [*Social Cybersecurity.*](http://www.casos.cs.cmu.edu/events/summer_institute/2020/si_portal/pubs/Beskow-Carley-Social-Cyber.pdf) CYSE201S Modules Spring 2024 Power Point Notes / Discussions

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