

Career Paper

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CYSE 201S Cybersecurity and Social Sciences

In this paper I will be discussing what type of career I would like to have in cybersecurity. I will be going over different types of cybersecurity career paths that I find interesting, as well as discussing why I like those types of jobs. I will also be talking about how these careers are dependent on social science research. Lastly I will also be talking about the social science principles in those careers. By the end of this paper I hope to inform you of the different paths of cybersecurity I've been looking into as well as maybe even get you interested in some of these careers. Now let us go onto the first section of this paper "the careers I'm interested in and why".

When I first started getting into cybersecurity one of the first things that caught my attention was hacking. I think that this isn't very uncommon in the field of cybersecurity with one of the community jokes being that everyone at sometime wanted to be a hacker. Even now I still find the concept of hacking to be very interesting. The reason for this is because I think the idea of being able to infiltrate different computers or networks to be a very fascinating practice done by some cybersecurity experts, But that of course isn't the only career in cybersecurity that interests me.

Cyber forensics or Digital forensics as it is more commonly called is the process of analyzing data from devices, specifically devices that have some kind of connection to the internet. This I think is also one of the more interesting cybersecurity related careers. Early in college I had a cyber forensics FBI agent come to one of my class lectures and he was talking about just how much information you can get from peoples devices, even cars. He talked about how he was able to see how many people were in a car and how many times the car stopped or how many doors were opened. This showed me not only how much information can be gathered from devices today, but just how much our own electronics track and record our data and then I realized something.

When I was researching these different career paths I started to notice that the two paths I found the most interesting both had one thing in common, they both involved information gathering in some capacity which may show the root of my interest in these careers. Digital

forensics' main focus is gathering information on peoples electronic devices such as cars, phones, computers etc... Now that you understand what careers I find interesting and why let me explain how I'm planning to pursue them.

To start, the first way I had planned to get into cyber security was through college since well that's the most straightforward way that I could find. Sure there are other ways like boot camp and such but those typically in my own research should only be pursued if you have at least some knowledge and even then you should do it with as much knowledge as possible to get the best results possible. So with that being said I will go through my college cyber security class and try to take as many classes that align with either hacking or digital forensics.

So you may be thinking now “how do these careers depend on social science research” and well then I would say that when it comes to hacking social science research is vital when it comes to social engineering and knowing how people may react to certain situations. Digital forensics depends on the research that social scientists do In a similar way by using research done to understand people's behavior in a digital environment allowing them to better understand certain actions done by some people, which can help them determine the intentions of suspected cyber criminals.

Now that you know how these career paths depend on social science research let us discuss The Principles of social sciences that I think best applies to the two careers that I have been talking about: hacking and digital forensics. When it comes to hacking I think it best fits into the principles of political science. This is because hacking can and is used by hacktivist groups for political purposes in order to convey a certain message to politicians. Digital forensics on the other hand relates more to criminology because of its practical uses in determining where criminals are and conducting investigations into criminal acts. This allows the FBI or other law enforcement agencies a quick and effective way to find and gather information concerning criminals and their whereabouts.

In conclusion, we have discussed the different types of careers I find interesting, and why I am interested in pursuing them. We have also looked into the way I am planning on pursuing these careers like trying to maximize the classes I take that are relevant to my career. I also talked about how these careers depend on social science research and the social sciences principles that I believed fitted each career path the most. Overall I really like both the hacking and digital forensics career paths but I think that I am leaning more towards digital forensics, but hopefully I will also be able to dip my feet into the hacking side of things as well.