

The career I chose to write about is a cyber security analyst. Cyber security analysts can be referred to as the first line of defense as they monitor incidents to try to stop them before they happen. A cyber security analyst is an entry level job. Thinking like a hacker can be helpful while doing this job because it can help you see the vulnerabilities. There are different ways that this career correlates with the principles of social science and cyber security. "Behavioral analysis uses machine learning, artificial intelligence, big data, and analytics to identify malicious behavior by analyzing differences in normal, everyday activities." Behavioral analysis is being brought up because it is used in cyber security analyst careers by using analytics to predict future attacks. This is similar to the model within a determinism framework, the nomothetic model. This career connects to society by doing multiple things. A couple examples would be helping an analyst helping a person who is going through identify thief problems and helping them resolve it and giving them some tips on how to avoid it. They can also help companies and point out their vulnerabilities and do things to help them stay secure. The analyst stays up to date on the latest hacking innovations to protect their organizations. This career is also impactful to society because it's a job where you can gain experience to further your cyber security career.

Just like every other career out there, they have cons. Cyber security analyst cons include being understaffed which makes it harder for them to stay up on top of current assignments and push back things like training and learning new techniques. Another con is not all teams have great leadership so there are leadership issues in the cyber security analyst world. "Security teams may have outdated or poor process because they are too busy handling tedious tasks that keep them from addressing their operations." This problem correlates to being understaffed since everyone is doing more work than they can handle, other things are not getting done. The relationships between this career and marginalized groups are helping people like young students who just graduated college with no experience get a start up in their career. According to zippiia.com nine percent of cyber security analyst are a part of the LGBTQ community which correlates to marginalized groups. Cyber security analyst relates to social sciences by "needing to understand which groups and individuals are at risk of being manipulated through social media and how that risk can be mitigated." This career involves the social norms and its rules of the road we discussed in class. Staying calm under pressure is a key while doing this job as being nervous can affect the decisions you make out there.

As I conclude my paper, doing research on this career was very interesting. Cyber Security analysts are a growing job as the job is going up 28 percent in the next 10 years. This is the job I aim for starting my cyber security career.

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<https://cybersecurityguide.org/careers/security-analyst/>

Read “A decadal survey of the social and behavioral sciences: A research agenda for advancing intelligence analysis” at nap.edu. 6 Integrating Social and Behavioral Sciences (SBS) Research to Enhance Security in Cyberspace | A Decadal Survey of the Social and Behavioral Sciences: A Research Agenda for Advancing Intelligence Analysis | The National Academies Press. (n.d.).

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What does a cybersecurity analyst do?. Western Governors University. (2024, January 28).

<https://www.wgu.edu/career-guide/information-technology/cybersecurity-analyst-career.html>