

Cybersecurity Career Professional Paper: Ethical Hacker

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Introduction:

Ethical hackers are known as the good, or “white-hat” hackers, whose purpose is to use their skills to breach into systems to find the vulnerabilities before the unethical hackers do. They help protect systems and make sure that they are up to date with their security and that there are no loopholes for malicious hackers to get in to. Their job is very important, not only in the cybersecurity field, but also in the whole world because since everything is now driven by technology, many vulnerabilities have shown up with it. Without someone to test the security systems, the company or organization would have no idea that they could get hacked until the malicious cybercriminals did it first. This paper will cover more of what an ethical hacker does and how it relates to CYSE 201S.

Social Science Principles:

An ethical hacker uses their abilities to understand why ethical hackers commit cybercrimes. Since they utilize the same skills, they are the best fit to conduct this research. They often look for typical motives that people commit cybercrimes, such as financial gain, popularity, or politics. Deciphering the ‘why’ helps professionals stop cybercrime before it happens.

Application of Key Concepts:

Ethical hackers use a lot of methods that are covered in CYSE 201S. One is the use of risk assessment, this is figuring out the likelihood of potential threats. Another method they use is ethical standards, ethical hackers use legal and moral means whenever they are doing their work. Since they are dealing with real life scenarios, they must be careful with what they hack into and uncover.

Marginalization:

The main group that is marginalized by ethical hackers are the cybercriminals. They are the ones that are at the most loss since the ethical hackers are using their skills to deter them from committing crimes. Another marginalized group would be those who do not have adequate means to use technology.

Career Connection to Society:

Ethical hackers heavily contribute to the safety of an infrastructure since they analyse vulnerabilities and other weak points and relay their findings to those who will fix it before malicious hackers have a chance to take advantage of it. Ethical hackers also recommend fixes to comply with regulations and policies to help protect user data and other important sensitive information.

References:

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