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Cybersecurity & Social Science

How Information Security Analysts Changed the Cyber World

An information security analyst is an important role in the computer science and cyber security world. Their role within an organization is to protect networks, computer systems and data from bad people who want to use it for bad use. Criminals will try to breach security, commit cyber attacks and may demand money from those companies to stop attack processes. This occupation is a big part of the safety role within the cyber world. An information Security Analyst Day to day life while at work deals with them constantly updating themselves on the evolution of cyber threats. Education is always going to be a factor in their world because the world as we know it and technology is always evolving. Analytical professionalism and technology knowledge goes a long way with these evolving threats.

As far as the social principles go this job plays a huge role within every single aspect of them. Within Psychology it is the Analysts job to understand why people do the things that they do and why they make the horrible decisions that they may take up upon. Some good, but most bad decisions are studied because it is their duty to keep the businesses they work for protected and working perfectly.

Understanding the likeliness and unlikeliness of a cyberattack makes for good decision making for sure. Having the ability to understand risks and understanding which of those risks are more important to pay attention to than others make for a successful day on

the job. Failure to execute may lead to an exponential amount of funds to be lost within an organizations finances which will more than likely lead to someone getting fired or some sort of demotion within the business they work for.

I am a Cybersecurity major here at Old Dominion University. My plan as of now is to have my educational road end with knowledge in Artificial Intelligence. With that being said, I am aware that many security systems that we have today utilize Artificial Intelligence. A System for example like “CrowdStrike” which uses AI and machine learning to expose cyberattack information and hunt any known threats. Artificial intelligence is well used in the cyber-attack world, so the good side is taking the phrase “fighting fire with fire” into effect as of now.

For marginalized groups information as such is not widely known. Coming from the environment that I came up in, information as above was never a conversation between these communities at hand. Compared to our parents’ generation and down to our children’s generation, the kids nowadays are most definitely more aware of these crimes and attacks due to their upbringing with technology. Kids nowadays are now being born in buildings that consist of nothing but artificial intelligence which now we have the phrase “iPad kid”.

In conclusion, being an information security analyst can not only be an occupation, but the position also holds the power to keep the public more aware of the safety of technology. The thought of what could go wrong, but also the thought of what could go right.

Works Cited

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