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CYSE200T

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### Discussion board: Going on a Job Hunt

A computer forensic analyst plays the role of recovering data that have been deleted, damaged or manipulated. This data can include emails, photos, and documents. Computer forensics is the law enforcement sector of IT or cybersecurity and is like criminal justice.

The skills needed for this job are attention to detail, technical aptitude, understanding of law and criminal investigation, communication skills, knowledge of cybersecurity fundamentals, analytic skills, and a desire to learn. Cybersecurity analysts use a various amount of workplace and technical skills. Scripting or coding with Python or power shell assists these analysts with being more efficient in their career. Intrusion detection is used to detect security violations or suspicious activity. Understanding controls and frameworks, as well as operating system is vital. Dev ops and threat knowledge are used to ensure applications are secure.

A couple surprising takeaways from this job is the requirements and the various career paths you can pursue within this field of work. I found it interesting that there is an actual degree in computer forensics offered by different schools and the various jobs that fall under this field of work: computer network defense forensic analyst, digital forensic examiner, cyber forensic analyst, forensic technician, network forensic examiner, and host forensic examiner.

An IT security architect keeps an organization safe from digital threats. It is an essential part in IT management. Security architects use programming, policy development, and research

to build security infrastructure from scratch or update existing security systems in response to detecting threats. Their overall mission is to design effective security strategies and respond to landscape cyber threats.

Technical architect skills are vital in this career path. Cloud security, network security, software development, identity access management, scripting or coding, and knowledge of different operating systems are the skills displayed in this role. The knowledge of incident response, penetration testing, and firewalls are also key skills in this role.

A surprising takeaway from this career is the growth rate of this particular path. It is projected to grow by 32 percent between 2022 and 2032 according to the US bureau of labor statistics. Also, the certifications required for this field is something I found interesting/surprising. The certifications are as follows: CISSP, CISM, and CEH.

Within the workplace discipline does not mean punishment as it does in other aspects. However, it has to do with providing expertise in an area of study that one is proficient in. Discipline can be a bachelor's degree in cybersecurity or any related field for that specific career path. The disciplines of all these 50 careers can also be communication, collaboration, risk management, adaptability, and critical thinking. These professionals also work in almost every sector and disciplines can be found in having the knowledge in banking and finance, government, healthcare, insurance, law enforcement, technology, and communications. All these disciplines allow for the most efficient workflow.

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