Reflective Essay
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Abstract

This essay discusses the acquisition of diverse skills and academic experiences as a pathway to a career in cybersecurity. It highlights how research skills, technical skills, and problem-solving skills gained from various disciplines, including entrepreneurship, can be effectively applied in the cybersecurity field. The essay showcases the role of entrepreneurship in enhancing these skills and emphasizes their central importance in the cybersecurity career.

The field of cybersecurity has become increasingly critical in today's digital landscape, with organizations and individuals relying on robust security measures to protect their sensitive information from cyber threats. As I embarked on my academic journey, I recognized the significance of acquiring employable skills and academic experiences, including those gained from entrepreneurship, as a pathway to a career in cybersecurity. This reflective essay discusses how research skills, technical skills, and problem-solving skills gained from various disciplines, including entrepreneurship, can effectively be applied in my future career field of cybersecurity, highlighting the essentiality of both soft and hard skills.

The essay begins by elucidating the importance of research skills in the field of cybersecurity. These skills, such as information gathering, evaluation, and analysis, are essential for identifying potential threats and vulnerabilities, conducting risk assessments, and formulating effective security strategies. The knowledge and experience gained from entrepreneurship, such as market research, data analysis, and trend analysis, can contribute to the development of strong research skills in the cybersecurity domain. Entrepreneurship fosters a mindset of continuous learning, adaptability, and critical analysis, which are valuable attributes for conducting thorough research in the cybersecurity field.

Technical skills are another crucial aspect of cybersecurity. These skills, such as network analysis and cryptography, are fundamental for analyzing and securing computer networks, systems, and applications. Entrepreneurship can contribute to the development of technical skills through activities such as building and managing technology infrastructure, developing software solutions, and implementing security

measures for entrepreneurial ventures. The hands-on experience gained in entrepreneurship can provide practical knowledge and expertise that can be directly applied to cybersecurity tasks, such as network monitoring, intrusion detection, and vulnerability assessment.

Problem-solving skills play a vital role in addressing complex security issues in cybersecurity. Entrepreneurship fosters a problem-solving mindset by exposing individuals to various challenges and uncertainties in the business environment. Entrepreneurs often face obstacles and need to devise innovative solutions to overcome them. These problem-solving skills, such as critical thinking, system analysis, and solution development, are highly transferable to the cybersecurity field. The ability to think creatively, analyze situations from different perspectives, and develop effective strategies is essential for mitigating cyber threats and safeguarding against potential attacks.

In conclusion, the knowledge gained from entrepreneurship, combined with the interdisciplinary skills acquired through academic studies, can significantly contribute to becoming a competitive candidate in the cybersecurity field. Research skills, technical skills, and problem-solving skills, honed through entrepreneurship and various academic disciplines, are highly valuable and applicable in the dynamic and complex landscape of cybersecurity. By continuously improving and applying these skills, individuals can enhance their competitiveness and excel in their pursuit of cybersecurity careers.

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