

PROMOTING HACKING AS A MECHANISM FOR UNDERSTANDING CYBERSECURITY

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ABSTRACT

Businesses are dependent on computer networks and information systems. Much of the data businesses store are internet or cloud-based. This increases the challenge of protecting data that may not be stored in the physical facilities of a business. With the projection of more cyberattacks and threat of cloud-based data, preparing undergraduate students to recognize vulnerabilities in a system is a needed skill for the future. To address the growing threat, we developed a pilot program for an online cybersecurity class with a national competition. Initial results, perceptions, and lessons learned will be discussed.