Abstract

While students work hard through their undergraduate careers, many still struggle to get a job right after graduation. This study seeks to figure out why and help undergraduate students go the extra mile to help them secure a job. A survey was sent out to industry professionals to help understand their expectations of students and their perspectives on the matter.

Methodology

- Developed a survey with open-ended, multiple-choice, and Likert questions.
- Distributed survey to industry partners.
- Analyzed data to determine what recent grads are lacking

Research Question

- Where do recent graduates fall with regards to industry requirements?
- How to bridge the gap between recent graduates and industry requirements?

Background

In the past, similar studies have found:

- Students lack soft skills
- Students lack knowledge in data-related knowledge areas
- More collaboration between school-industry required

Impact

- Help universities improve their programs to benefit students
- Encourage universities to partner up with industry and prepare a curriculum
- Help Students identify points of improvement

NIST NICE Framework

- The framework served as inspiration for questions
- It has seven categories, thirty-three specialty areas, and fifty-two work roles.
- Created to assist in the expansion of a cybersecurity team within the industry

Gaps Identified Previously

- Data evolution analysis
- Identifying the relevance of data
- Data protection in a sensitive manner
- Identifying connections
- Data collection
- Understanding data-driven business models
- Data visualization
- Tracing and identifying the source of data
- Understanding the value of data/data interpretation
- Developing data-based solutions

Perceptions of Cyber Security Student Preparedness

Apoorva Shrivastava and Dr. Tatiana Ringenberg

Perceptions of Cyber Security Student Preparedness

Apoorva Shrivastava and Dr. Tatiana Ringenberg