

# Michael O'Hanlon

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Doylestown, PA ▪ <https://www.linkedin.com/in/michael--ohanlon/>

## Education

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The Pennsylvania State University

May 2027 (Anticipated)

Bachelor of Science, Cybersecurity Analytics and Operations

GPA: 3.82, Dean's List 5 semesters

## Project Work Experience

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Penn State Cybersecurity Case Study, Student Researcher

November 2024

- Spoke to a class analyzing a Rite Aid ransomware attack, including vulnerabilities, attack methods, and impact
- Researched critical cybersecurity practices and incident response strategies
- Provided risk mitigation strategies based on industry standards

Penn State AT&T Group Data Breach Analysis, Team member

April 2024

- Conducted a risk assessment of the 2023 AT&T data breach, analyzed the impact on critical infrastructure and customer data security.
- Evaluated cybersecurity vulnerabilities, threat actors, and the AT&T response
- Applied SWOT analysis

Capture the Flag Walkthrough: Bandit OverTheWire

March 2024

- Delivered presentation explaining tactics and solutions to the Bandit OverTheWire CTF, focusing on Linux commands, SSH, file manipulation, and privilege escalation.
- Demonstrated and analyzed step by step exploitation techniques and problem-solving strategies

Penn State Hangman Game Development

August 2024 - December 2024

- Designed and implemented Hangman game using Python
- Implemented file handling, conditional statements, and loops to create my own interactive Hangman game
- Demonstrated problem-solving and debugging skills throughout project development

## Work Experience

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New Britain Inn, Servers assistant

New Britain, Pennsylvania

January 2021 - May 2023 (20 hrs/wk)

- Played an integral role in the restaurant's success by ensuring that every order is delivered to customers quickly and accurately.
- Demonstrated amazing communication skills with other coworkers to guarantee success.

## Volunteering

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Volunteer New Britain Community, Volunteer

November 2022 - January 2023

- Dedicated and compassionate volunteer with a strong commitment to community service.
- Served at a local food pantry, contributing to the fight against hunger.
- Responsibilities included organizing food donations, assisting clients with their selections, and maintaining a welcoming environment.

## **Awards**

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Leadership Doylestown, Pennsylvania

August 2022 - January 2023

- Awarded the leadership award from the Central Bucks West football team
- Proved to take lead of a group and take control in situations that are crucial

## **Skills**

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AI Technology, Communication, Computer Skills, Computers, CSS, Cybersecurity, Cybersecurity Analysis, Data Structures, Debugging, Ethical Hacking, HTML, Linux, Networking, Networking Concepts, Organization, Problem Solving, Privilege Escalation Techniques, Python, Ransomware Mitigation, Risk Assessment, SQL, SSH