

# Asher Mahajan

ashermahajan@gmail.com • (949) 245-9522 • [www.linkedin.com/in/asher-mahajan](https://www.linkedin.com/in/asher-mahajan)

## Education

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**The Pennsylvania State University**, University Park, PA

Bachelor of Science, Cybersecurity Analytics and Operations, Law & Policy Focus

Anticipated: May 2026

**Current GPA:** 3.810 (Dean's List: FA 2022, SP 2023)

**Relevant Coursework:** Introduction to Application Development, Introduction to Security and Risk Analysis, Organization of Data, Cyber-Defense Studio, Intermediate & Object-Oriented Application Development, Networking and Telecommunications

## Certifications

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CompTIA Security+(SYO-601) Certification Exam Prep

August 2023

Certified Scrum Master (CSM) by the Scrum Alliance

June 2023

Google IT Support Professional Certificate

January 2021

## Skills

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Unix, Linux, Microsoft Excel, Java, SQL, IT Operations, Operating Systems, Project Management, Data Analysis, Security Risk Analysis

## Project Work Experience

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**Penn State Organization of Data Project**

November 2022 - December 2022

*Team Member*

- Designed a MySQL database, ensuring adherence to normalization principles, achieving 3rd Normal Form
- Established referential integrity between relevant attributes, fostering data accuracy and coherence
- Developed an ER Diagram and designed tables with accuracy using Crow's Foot Notation
- Created complex SQL queries to combine data from multiple database tables for data retrieval and analysis

**Congressional App Challenge**

March 2021 - November 2021

*Developer (Project 1)*

- Developed a website to showcase surplus food availability from restaurants, to address food wastage
- Utilized the Atom text editor effectively to utilize programming languages such as HTML, CSS, and JavaScript

**Congressional App Challenge**

May 2020 - November 2020

*Developer (Project 2)*

- Developed a computer-game application targeting to benefit people with attention-deficit/hyperactivity disorder by enhancing cognitive performance concurrently giving an entertaining game experience
- Developed using the Python programming language on the video game development platform, PixelPad

## Relevant Work Experience

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**Fundamentals of Computing Association**

April 2023 - Present

*Alumni Relations Chair (Executive Board)*

**Information Sciences and Technology Undergraduate Student Council**

March 2023 - Present

*Public Relations Chair (Steering Committee)*

**American Red Cross**

June 2021 - July 2022

*National Volunteer Scheduling Specialist (NHQ: BIO VVIC-NST)*