

Yousef A. Alsalloum

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Education

The Pennsylvania State University

Bachelor of Science, Cybersecurity Analytics and Operation

May 2026

Minor in Security and Risk Analysis

GPA: 3.97/4.00

Skills

- Fluent in Arabic and English
- Kali Linux, Ubuntu Linux, Wireshark, Microsoft Windows, MacOS, Git, Github
- Intermediate C#, Intermediate Java, Intermediate Python, HTML, CSS, JavaScript
- Ghidra Decompiler, HxD Hex Editor
- Intermediate Decryption Techniques (Ciphey, StegPy, StegCracker)
- UI/UX Design, Frontend Development

Team Projects

Defense Information Systems Agency (DISA) STIG Analysis Presentation

University Park, PA

Team Member, Researcher, Presenter

May 2023

- Worked with a team of 5 individuals to create a presentation showcasing Security Technical Implementation Guides (STIGS), as well as working to implement them into everyday usage for others. Three STIGS were chosen for the presentation on the pretense of showcasing STIGS from least severe levels to the most severe levels, as well as covering the basis of many everyday use cases, such as MacOS vulnerabilities and Windows 10 vulnerabilities. Presented the final project to 35 people in the audience within 10 minutes.

Programming Projects

X-Search-Scraper

- Developed a Python CLI that uses the X (formerly Twitter) API that streamlines data collection for research purposes by automating retrieval of tweets and user metadata through public endpoints and archival methods. Designed with JSON/CSV export support, scalability and modularity for adaptation to changing APIs and optimized for research and OSINT applications.

Wayback-SS-tool

- Developed a Python CLI that automates screenshot captures of archived web pages from the Wayback Machine. Using a Selenium-powered headless browser and API lookups, retrieves snapshots through URLs and timestamps specified by the user. Features include configurable image width, filename formatting, specified directory output, and overwrite options. Designed and optimized for research and page back-up purposes

Work Experience

Undergraduate Research Assistant

University Park, PA

Pennsylvania State University

January 2025 – Present

- Programmed and implemented custom Python tools to collect and archive social media data.
- Automated retrieval of posts, user metadata, and snapshots to support analysis of diplomatic usage of social media.
- Assisted in curating datasets as well as analysis of engagement and messaging patterns among state-affiliated accounts.

Campus Involvement

Competitive Cybersecurity Organization (CCSO)

August 2023 – Present

Member

- Worked on many Cybersecurity exercises within the club, learning about the multiple facets of Cybersecurity Penetration and Defense. Focuses on what isn't learned in classes, and gives students involved more hands-on experiences with Cybersecurity events – leading to more knowledgeable individuals.