Alex Hewitson

Salt Lake City, UT | (385) 321-6260 | [Email](#) | [LinkedIn](#) | [Portfolio](#)

EDUCATION

Carnegie Mellon University, Heinz College   Expected Graduation: May 2025
Master of Science in Information Security Policy & Management
- Coursework: Network Defenses, Applied Information Assurance, Malicious Code Analysis

University of Utah, David Eccles School of Business   May 2023
Honors Bachelor of Science in Information Systems, Minor in Computer Science
- Summa Cum Laude
- Coursework: Networking and Servers, Data Structures and Algorithms, Computer Security

SKILLS AND CERTIFICATIONS

Data Analysis: Tableau, Excel, ServiceNow   **Programming:** Python, Java, C#, TypeScript, SQL, R
Web Development: HTML, JavaScript, PHP   **Project Management:** SDLC, SCRUM, Agile
Certifications: CompTIA Security+, Python Institute Entry-level Python Programmer

PROJECTS

Network Design | Network and Internet Security   Fall 2023
- Designed a network for a fictitious company of 250 employees with a defense-in-depth strategy using firewall rules, segmentation, and centralized authentication, considering each layer of the OSI model

Undergraduate Honors Thesis   Fall 2022 – Spring 2023
- Conducted research on automotive cybersecurity regulation with a mentor and advisor for one year
- Published a 40-page analysis on effective regulation strategies drawing comparisons with PCI-DSS

WORK EXPERIENCE

Security Engineering Intern   May 2024 – August 2024
Amazon | Seattle, WA
- Created a cloud development kit with secure-by-default configurations for AWS services tailored to the team's security bar, saving 40 developer hours during the security review phase per net new application
- Gained insights into the evolving attitudes surrounding security in business and received guidance for adapting to the ambiguity of security engineering from bi-weekly mentoring sessions with leaders
- Received full-time offer

Jr. Security Analyst   May 2021 – August 2023
University of Utah | Salt Lake City, UT
- Collaborated with a team of seven in enterprise risk assessments, maintaining cybersecurity infrastructure, and improving processes with Lucidchart
- Maintained and updated the information security policy for a campus of over 60,000 members
- Adapted to ambiguous problems with creative solutions like Python scripts in Google Colaboratory to update over 900 inherent risk records in ServiceNow, allowing functioning automatic renewal emails

CAMPUS AND COMMUNITY LEADERSHIP EXPERIENCE

Program Director   June 2022 – May 2023
TEK Club | University of Utah
- Planned, coordinated, and executed panel, workshop, and recruiting events for over 340 followers
- Networked with experts and companies to host events on topics like generative artificial intelligence