

Mohammad Hasib

mhasib@wesleyan.edu | 267-670-3512 | [LinkedIn](#) | [Personal Site](#) | [Cyber/Cloud Blog](#)

EDUCATION

Wesleyan University, Middletown, CT
Bachelor of Arts in Computer Science, **GPA:** 3.81

August 2020 – May 2024

SKILLS

Computer Languages: Python, JavaScript, SQL, Bash

Platforms/Frameworks: Flask, Django, React, Ajax, jQuery, Heroku, Firebase, VMware Workstation, Wireshark

Certificates: NSE [1](#), [2](#), & [3](#), [Google IT Fundamentals](#), [AZ-900](#), [SC-900](#), [DP-900](#), [AI-900](#), [Oracle Cloud Associate](#)

PROFESSIONAL EXPERIENCE

Information Security Analyst – Wesleyan University

January 2022 – Present

- Gained access to and reported 35 unsecured security cameras and DVRs across campus
- Streamlined networking commands through Python that enumerated the reachability and accuracy of 1900+ DNS records, thus improving network hygiene
- Utilized security tool Purple Knight to [document](#) 90+ vulnerability assessments that identify and inform administrators of critical indicators of exposure within the university's Active Directory
- Queried active directory node relationships across 80,000+ objects using Neo4j's Cypher language and the BloodHound GUI to graph paths of privilege escalation
- Verified security and version control for 150+ WordPress plugins by updating and recording the latest patches which ensure safety against subtle plugin exploits for 2,700+ sites on the network domain

IT/Engineering Intern – KPMG

June 2022 – August 2022

- Blueprinted a carbon-neutral plan for the National Basketball Association that aims to cut 13,500+ tons of annual emission using the Azure Connected Waste Management and Solar Panel Monitoring IoT tools
- Applied software, including SAP S/4HANA, OneStream, and Power BI, to efficiently perform cloud implementations for 3 corporate visionaries across technology, manufacturing, and finance
- Communicated with Tax, Audit, and Advisory professionals to learn about the work ethic, teamwork, and technical skillset necessary to drive a Big 4 accounting firm

Data Analyst – Wesleyan University

June 2021 – September 2021

- Generated and analyzed 25,000+ random test answers using Python to model “guessing” during physics conceptual exams in attempt to distinguish real student attempts from random, robotic entries
- Quantified [4 novel metrics](#) and uncovered newfound sources of learning gain and loss in physics education
- Prepared our findings for replication across 300+ high school and collegiate classes nationwide

Full Stack Web Developer – Wesleyan University

April 2021 – September 2021

- Prototyped an Ajax-Flask CRUD app connect and highlight 250+ Scholars of Color in academia
- Revamped overall site speed with a lazy loading mechanism that boosted data retrieval queries by 7% and reduced the risk of potential Denial of Service attacks, while complying with accessibility regulations
- Protected user information and integrity using SHA256 for password encryption, MFA, and Limited Login

PROJECTS

[Roblox Spoofing Simulation](#)

- Simulated a social engineering attack that automatically pulls a Roblox player's public details into a Flask backend and duplicates a replica profile page using React, all under 5 seconds
- Collected 25+ Roblox player survey responses via Firebase to determine the simulation's effectiveness, persuading 81% of the sample that the phishing site appeared identical to the real site

[Police Killings Analysis & Data Visualization](#)

- Manipulated and organized national police killings statistics through BigQuery SQL and produced map diagrams which visually revealed that ~86% of people killed fell below median incomes levels

[Azure Governance Walkthrough](#)

- Published a succinct outline that simplifies the 7 controls that leverage cloud governance, including policies, role and attribute based access control, and automation blueprints, to a non-technical audience