

Abir Islam

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EDUCATION

Drexel University

Master of Science in Computer Science, Current GPA: 4.0

Philadelphia, PA

Expected May 2026

Temple University

Bachelor of Science in Computer Science with Honors, GPA: 3.64

Philadelphia, PA

December 2023

EXPERIENCE

Comcast

Software Engineer Intern

May 2023 – Aug. 2023

Philadelphia, PA

- Developed frontend features such as option cogs and submit buttons that called backend APIs for the ActiveCore DCP web application used by Comcast Business teams to manage their SD-WAN customers
- Contributed test cases for UI elements that made sure API calls were being forwarded properly, as well as supporting documentation to enable easier comprehension across both engineers and project leads
- Enhanced the web application documentation page with in depth instructions regarding the packages used to more easily onboard new developers into their role
- Participated in daily scrum meetings with an offshore team to assist in resolving any blockers as well as update progress on current user stories

Temple University

Undergraduate Research Assistant

May 2021 – Aug. 2021

Philadelphia, PA

- Collected and sanitized over 4,000 webpages using webscraping methods into CSV's for team members
- Onboarded new colleagues in setting up their own Google Colab (Jupyter notebook) for webscraping

PROJECTS

DIY NAS Server | *Linux, Docker, Networking, YAML*

October 2024

- Deployed a personal NAS server using Ubuntu Server that integrates media streaming, cloud storage, and secure access via SSH
- Configured advanced networking options, including port forwarding, VPN secure remote access with Wireguard, DNS settings, and local reverse proxying with Nginx for streamlined access to services
- Employed Docker Compose containers to isolate multiple applications in virtualized Linux environments

EpicDuel Resource Automation Tool | *Python, OpenCV, PyAutoGui*

November 2023

- Developed an auto-clicker using OpenCV to detect key on-screen elements, compare them with target components, and automate clicks via PyAutoGui, which was actively tested and used by at least 5 players
- Designed an algorithm to navigate in-game restriction mechanisms for testing purposes
- Automated the gold acquisition process, optimizing it to exceed manual gameplay speeds

Book Webscraper GUI | *Python, BeautifulSoup, Requests*

December 2022

- Produced a GUI using Python's Tkinter module to provide a user-friendly visual interface
- Utilized requests and BeautifulSoup4 module to search for user's requested book title
- Displayed up to five search results as clickable links for easy access to downloads

RELEVANT COURSEWORK

Undergraduate: Calculus III, Software Design, Operating Systems, Low Level Programming in C, Object-Oriented Programming in Java, Programming in Python, Wireless Networks and Security, Software Security

Graduate: Machine Learning, Computer Vision, Data Structures and Algorithms

CERTIFICATIONS

Temple University: Computer Security & Digital Forensics Certificate

TECHNICAL SKILLS

Programming Languages: Python, HTML5/CSS3/Javascript, Java, C

Frameworks: React (learning), Angular, OpenCV

Libraries: NumPy, Matplotlib, PyAutoGui