

Abir Islam

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EDUCATION

Drexel University

Master of Science in Computer Science

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 for the ActiveCore DCP web application used by other Comcast business teams to manage their SD-WAN customers
- Contributed test cases as well as supporting documentation to enable easier comprehension across both engineers and project leads
- Enhanced the web application documentation page with specific instructions 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

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
- Developed 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, Tkinter*

December 2022

- Produced a GUI using Python's Tkinter module to make an easy visual representation for other users
- Used 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

Eroica Discord Bot | *Python, Heroku*

April 2021

- Developed and deployed a bot for Discord that follows the Discord.py documentation and is hosted via Heroku
- Implemented method of allowing users to more efficiently display information regarding the Eroica game mechanics
- Displayed a visual analysis of the bot's prowess via an informative video guide: <https://youtu.be/1wZFne4X2G4>

RELEVANT COURSEWORK

Undergraduate: Calculus III, Software Design, Operating Systems, Low Level Programming, Object-Oriented Programming in Java

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

CERTIFICATIONS

Temple University: Computer Security & Digital Forensics Certificate

TECHNICAL SKILLS

Languages: HTML5/CSS3/Javascript, Python, Java, C++ (learning)

Frameworks: React (learning)

Libraries: NumPy, Matplotlib, OpenCV, PyAutoGui