

Adam Soomro

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EDUCATION

University of Maryland, College Park

Bachelor of Science in Computer Science and Bachelor of Arts in Studio Art

College Park, MD

May 2025

Horace Greeley High School

GPA: 4.0, Received the Computer Science award

Chappaqua, NY

Sep. 2018 – Jun. 2022

EXPERIENCE

District 6 Proxy Intern

Filipino Intercollegiate Networking Dialogue

Sep. 2022 – Aug. 2023

Washington D.C. Metro Area

- Served as a liaison between the Filipino Intercollegiate Networking Dialogue and participating universities
- Organized events and facilitated discussions on topics related to Filipino culture and advocacy
- Coordinated logistics for regional conferences and provided support for community outreach program

Researcher

Horace Greeley High School

Sep. 2020 – May. 2022

Chappaqua, NY

- Developed a ML model in R that utilizes NASA satellite data to predict wildfires occurrences
- Wrote and presented scientific paper to local competitions
- Received US Aid award at the Westchester Science and Engineering Fair

Community Center Volunteer

Neighbors Link

Sep. 2020 – May. 2022

Mount Kisco, NY

- Created a curriculum for teaching English as a second language to adults
- Assisted K-5 teachers in the classroom with math and English
- Ran tutoring sessions for the citizenship test

PROJECTS

Hangout App | *Ruby on Rails, Bootstrap, SQLite, Firebase, Git*

- Developed a social media app focused on facilitating hangout events with Ruby on Rails
- Implemented Devise to enable user activation emails
- Created accompanying chat app with React and Firebase
- Used Google OAuth to allow users to sign in with Google

Anti Toxicity Bot | *Python, TensorFlow, Git*

- Developed a Discord server plugin that utilizes sentiment analysis to identify problematic messages
- Created a data set for messages using the Python library "Label Studio"
- Built a long short-term memory network with TensorFlow

Ethical Clothing Awareness | *Python, PRAW, React, Git*

- Utilized PRAW to create a reddit application which flagged post that promoted fast fashion companies
- Deployed bot to several subreddits focused around male fashion

Online Rota | *Unity, Git*

- Recreated ancient Roman game, Rota, in the Unity game engine
- Collaborated with local Latin club to organize a tournament for Rota
- Learned UI design practices to create game menus

Workout Tracker | *Javascript, Git*

- Created an iphone workout tracker using novel velocity based training (Włodarczyk et al, 2021)
- Used JavaScript to access device's accelerators to get real-time velocity data

TECHNICAL SKILLS

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Design and Implementation, Human-Computer Interaction, Painting, Drawing

Languages: Java, Python, Ruby, JavaScript, HTML/CSS, R

Frameworks: React, Node.js, Rails, JUnit, Bootstrap

Developer Tools: Git, Heroku, Firebase, Vim

Libraries: Pandas, TensorFlow, Matplotlib