

Arko Mazumder

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EDUCATION

University of Maryland (College Park)

BS IN INFORMATION SCIENCE,
MATH

Minor: Technology
Entrepreneurship
Expected May 2021
College Park, MD

SKILLS

PROGRAMMING

Java • Python • JS • HTML/CSS •
Ruby • Angular/AngularJS • Solidity •
R • SQL

TOOLS:

Flask
NodeJS/ReactJS/Bootstrap
Jinja
Spring AOP
RESTful Web Services
AWS/Firebase
JIRA/Bitbucket/Git

SOCIETIES/CLUBS

Terrapin Hackers (Vice President)
Hinman CEOs @ UMD
College Park Scholars- Public
Leadership
International Model United
Nations Association (IMUNA)

INTERESTS

Full-Stack Engineering
Machine Learning
Side Projects w/ Git

HOBBIES

Trilingual Speaker
Standup Comedian
Violin & Piano
Second Degree Black Belt

EXPERIENCE

Fannie Mae | Software Development and Engineering Intern

June 2020 — July 2020 | Washington, D.C.

- Created a front-end web application dashboard for application/production management using BootstrapJS and Jinja.
- Integrated back-end using Flask in Python and accessed the DB using SQL.
- Worked with full-time developers in an Agile workflow using Bitbucket and JIRA.

Fannie Mae | June 2019 — August 2019

- Used Spring AOP (Aspect Oriented Programming) to simplify logging and transaction management in a REST API implemented in Java using Spring Boot.

RESEARCH & DEVELOPMENT

University of Virginia Department of Computer Science | Ph.D. Research Asst.

June 2017 — August 2017 | Charlottesville, VA

- Analyzed/Manipulated traffic flow in Python and R for Ph.D. thesis regarding smarter routing recommendation systems.

Hackathons | 2018 — Present

- Developed a web application that uses Python Machine Learning to find the global public opinion of any query (Award for Creativity) @ Pennapps.
- Developed a web app using Angular/Firebase that connects students with real-time volunteering opportunities @ Bitcamp.
- Developed/Currently working on UNITE, an application in ReactJS that incorporates various student life functionalities into one experience (Won 3rd place @ HackUMBC).
- Developed a Blockchain UI in Solidity that determines quality of ads/removed low quality ads (Award for Creativity) @ Hackital.

LEADERSHIP

September 2017 — Present | Clifton VA; College Park, MD

Model United Nations:

- Served as the Assistant Director of the Economics and Finance Committee (ECOFIN) for the 45th National High School Model United Nations (NHSMUN) Conference at the United Nations Headquarters in New York City.

Other:

- Organize and host tech talks and local MLH hack days with Terrapin Hackers.
- Passed a unanimous law in the Virginia Legislature that requires Public Safety Answering Points (PSAP's) to respond to texts regarding 911. This was featured in several outlets including the Washington Post and others.

AWARDS

President's Scholar (University of Maryland) | Best Delegation (MUN) |
Hackathon Awards (PennApps) (Hackital) (HackUMBC)