

Arko Mazumder

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EDUCATION

University of Maryland (College Park)

BS IN INFORMATION SCIENCE

Minor: Technology

Entrepreneurship

Expected December 2021

SKILLS

Experienced

Java • Python • JS • HTML/CSS

Familiar

C++ • Angular/AngularJS • Solidity • R • SQL

TOOLS:

Flask

NodeJS/ReactJS/Bootstrap

Jinja

Spring AOP

JSON

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

HOBBIES

Standup Comedian

Violin & Piano

Trilingual Speaker

Second Degree Black Belt

EXPERIENCE

Fannie Mae | Software Development and Engineering Intern

June 2021 — August 2021 | Washington, D.C.

- Devised an aspect that allowed the connection and persistence of database transactions from a Spring Boot application (utilized Java Persistence API with Spring Boot).
- Built REST API endpoints using Spring Boot HTTP request/response communication via JSON.
- Installed Apigee proxies to allow HTTP proxying/reverse proxying from Enterprise-Wide API to application specific services.

Fannie Mae | Software Development and Engineering Intern

June 2020 — July 2020

- Engineered 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.

Fannie Mae | Software Development and Engineering Intern

June 2019 — August 2019

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

Hackathons | 2018 — Present

- **Global Public Opinion:** An application that found the global public opinion of any query via Python Machine Learning (Award for Creativity) @ Pennapps.
- **UNITE:** An application that incorporates various student life functionalities into one experience using ReactJS (3rd place @ HackUMBC).
- **Vank:** A web app that connects students with real-time volunteering opportunities using Angular/Firebase @ Bitcamp.
- **Solidify:** A Blockchain UI that determines quality of ads/removed low quality ads via Solidity (Award for Creativity) @ Hackital.

LEADERSHIP

November 2018 — Present | College Park, MD

Terrapin Hackers:

- Organize and host workshops, local hack days (in association with Major League Hacking) and coordinate hackathon trips for UMD students.

International Model United Nations Association (IMUNA):

- 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.

AWARDS (2018 – Present)

President's Scholar (UMD) | Best Delegation (MUN) | Hackathon Awards (PennApps) (HackUMBC) (Hackital)