Arko Mazumder

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EDUCATION

University of Maryland (College Park)
BS IN INFORMATION SCIENCE
Minor: Technology Entrepreneurship
Expected December 2021

SKILLS

PROGRAMMING (Experienced)
Java • Python • JS • HTML/CSS

Familiar
Ruby • 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 using 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 @ Pennapps.
- **Vank:** A web app that connects students with real-time volunteering opportunities using Angular/Firebase @Bitcamp.
- **UNITE:** An application that incorporates various student life functionalities into one experience using ReactJS (3rd place @ HackUMBC).
- **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 (University of Maryland) | Best Delegation (MUN) | Hackathon Awards (PennApps) (Hackital) (HackUMBC)