Arko Mazumder

arkomz91@gmail.com | 240-810-7164 | GitHub: arkomz

EDUCATION

University of Maryland (College Park)
BS IN COMPUTER 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:
Spring AOP
RESTful Web Services
NodeJS/ReactJS/Bootstrap
Amazon Web Services
Blockchain
JIRA/Confluence
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
Software Development
Data Science/Analytics
Side Projects w/ Git

HOBBIES
Trilingual Speaker
Standup Comedian
Violin & Cajón
Second Degree Black Belt

EXPERIENCE
Fannie Mae | Software Development and Engineering Intern
June 2019 — August 2019 | Washington, D.C.

- Used Spring AOP (Aspect Oriented Programming) to simplify logging and transaction management in a REST API implemented in Java using Spring Boot.
- Delivered code to a web application that is actively being used by customers in production (actively under use by development teams and customers/banks).
- Reduced maintenance costs by removing duplicate code (Net reduction of ~1000 lines).
- Participated in Agile Ceremonies including daily stand-ups, sprint planning, sprint retrospectives, etc.

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 | 2017 — 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 2014 — 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)