

Aryana Mohammadi

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EDUCATION

Barnard College, Columbia University | New York, NY

Expected May 2024

BA Computer Science, Minor in Mathematical Sciences

GPA: 3.97

Relevant Coursework: *Data Structures in Java, Python for Engineering, Discrete Mathematics, Advanced Programming in C, Computer Systems, Computer Science Theory, Database Design, Applied Statistical Computing, Advanced Software Engineering, Artificial Intelligence, Mobile App Development, UI Design, Embedded Systems, Observability*

PROFESSIONAL EXPERIENCE

Amazon Web Services | New York, NY | *Technical Account Manager Intern*

Jun 2023 - Aug 2023

- Crafted highly scalable, flexible, and resilient cloud architectures that address customer business problems
- Guided organizations to understand best practices around cloud-based solutions, how to develop cost-effective architectures, and how to migrate existing workloads to the cloud

Internet Real-Time Lab, Columbia University | New York, NY | *Research Assistant*

May 2022 - Dec 2022

- Researched access inequality of fixed-broadband deployment under former Federal Communications Commission CTO Professor Henning Schulzrinne to advise the FCC on broadband adoption strategies and subsidy allocations
- Maintained, combined, and analyzed large databases using BigQuery, MySQL, and Jupyter Notebooks
- Produced and presented weekly reports on findings using Numpy, Matplotlib, and GeoPandas

Sesto Labs | New York, NY | *Fullstack Engineer Intern*

Jan 2022 - Jun 2022

- Designed and implemented databases for server-side platforms of web and iOS applications with Java and MySQL
- Created and maintained software infrastructure in the development of the social issue and networking app, Benev

Midici Italian Kitchen | East Providence, RI | *Waitress and Hostess*

May 2021 - Jan 2022

- Operated POS terminals smoothly to facilitate quick transactions and increase customer satisfaction
- Trained new hosts and waitresses on problem resolution techniques, food safety procedures, and floor management
- Communicated effectively with other restaurant staff to facilitate seamless service amidst high stress situations

FabNewport | Newport, RI | *Instructor*

Sep 2020 - Jun 2021

- Developed a curriculum to introduce 60 students to programming through block code and MicroBits
- Built and maintained FabNewport's Advanced Course Network website through Google Sites
- Engaged students through sessions that emphasized participation and supported students of all levels of expertise

LEADERSHIP AND COMMUNITY INVOLVEMENT

Girls Who Code Columbia | New York, NY | *Curriculum Committee Member*

Jan 2022 - Present

- Developed an eight week introductory computer science course in Python for 9-12 grade students
- Curated engaging and educational projects other material to correspond with each lesson
- Collaborated with other committees to enhance and revise existing HTML/Javascript course curriculum

RI Department of Education | Providence, RI | *Advisor to the Commissioner*

Sep 2019 - Jun 2021

- Developed new curriculum requirements and strategies (e.g teaching adaptably to various learning styles, culturally relevant curriculum, anti-racist and culturally responsive teaching) to make state public schools more equitable
- Pioneered and implemented programs (e.g college application panels) that reduce barriers to secondary education
- Analyzed standardized testing and survey data to inform various initiatives (e.g reading proficiency improvement)

SKILLS AND INTERESTS

Technical: Java, Python, C, R Studio, SQL (PostgreSQL, MySQL), AWS, SwiftUI, App & Web Development

Sample code: <https://gist.github.com/aryanamoh/d538ef9101ca95d188430f2ab621fb5b>

Interests: Graphic Design, Mandarin, Robotics, Cooking