FAIZAH NAQVI

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EDUCATION

Brown University, *A.B in Computer Science*   Providence, RI
GPA: 3.92/4.0   Expected graduation 2026
Relevant coursework: Introduction to Object-Oriented Programming, Program Design with
Data Structures and Algorithms, Linear Algebra, Statistical Inference I, Multivariable Calculus,
Introduction to Computer Systems, Cybersecurity Ethics.

SKILLS

Programming Languages: Advanced Java and Python, intermediate C++ , basic assembly code.
Languages: Intermediate-High Chinese (ACTFL certified). Novice-High proficiency in Arabic (ACTFL certified). Conversational Urdu.

PROJECTS

Mock C Shell   Oct. 2023
- Developed a Unix-like shell in C, implementing core functionalities like command parsing, process execution, I/O redirection, and pipeline operations.

Travel Planner   Apr. 2023
- Built a travel planner in Python using the breadth-first search, Dijkstra's, and depth-first search algorithms, efficiently finding the fastest, cheapest, and direct routes.

Page-Rank Search   Apr. 2023
- Implemented page-rank logic in Python to efficiently search and rank custom documents and a querier to look through the ranked pages.

Decision Trees   Mar. 2023
- Built a tree-based machine learning algorithm in Python to recursively learn patterns and split on the most predictive features.

COMPUTING EXPERTISE

Brown University Department of Computer Science   May 2023 - Present
Undergraduate Teaching Assistant
- Hold weekly lab for ~20 students, teach essential object-oriented programming and data structure and algorithm skills, perform code reviews, and grade projects.
- Craft and deliver biweekly mini-lectures on socially responsible computing.

Ashoka   May 2023 - Aug. 2023
Data Analytics Intern
- Used STATA to conduct qualitative and quantitative analysis on surveys from executive leaders of non-profit organizations. Identified, complied, and tracked User Feedback KPIs for the company's annual investor report.

AI Robotics Ethics Society @ Brown   Sep. 2022 - Present
Co-President
- Work with 2 postgraduate researchers in Pontifical Catholic University, Brazil to develop the AI Ethics tool. The tool uses algorithmic impact assessment to guide software engineers to incorporate ethics inside AI system development.

IgniteCS   Sep. 2022 - Jan. 2023
Tutor
- Mentor local elementary school students in Scratch, algorithms, and computer science with weekly coding activities and projects.

COMMUNITY ENGAGEMENT

Brown University Residential Life   Aug. 2023 - Present
Community Coordinator
- Serve as a residential leader for ~30 residents, planning bi-semester community learning events, mediating roommate conflicts, advocate for improved residential environments.

Rhode Island Coalition to End Homelessness   Sep. 2022 - Nov. 2022
SOAR Intern
- Assist the Rhode Island Coalition to End Homeless with filing social security applications for those at risk of homelessness.

AWARDS

- National Merit Commended Scholar
- AP Scholar with Distinction
- NSLI-Y VSI Morocco Scholarship Recipient
- NSLI-Y VSI China Scholarship Recipient