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: Object-Oriented Programming, Program Design with Data Structures and Algorithms, Computer Systems, Linear Algebra, Statistical Inference I, Multivariable Calculus.

SKILLS

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

PROJECTS

Thread-Safe Database　　　　　　　　　　　　　　　　　　　　　　　　　Dec. 2023
- Built a multi-threaded client server in C++ to handle multiple concurrent users over a network, implementing search, addition, and deletion capabilities.

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.

AWARDS

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