

# FAIZAH NAQVI



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<https://ffnaqvi.github.io/>

## EDUCATION

**Brown University, A.B in Computer Science**

GPA: 3.9/4.0

Providence, RI

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++ , ASM.

**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 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

#### Executive Board

- 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