

FAIZAH NAQVI



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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

SKILLS

Programming Languages: Advanced Java and Python, fundamental C++

Languages: Intermediate-High Chinese (ACTFL certified). Novice-High proficiency in Arabic (ACTFL certified). Conversational Urdu.

PROJECTS

Travel Planner, Custom Built Packages

Apr. 2023

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

Search, Custom Built Packages

Apr. 2023

- Implemented page-rank logic to efficiently search and rank custom documents and a querier to look through the ranked pages, mimicking a modern search tool.

Decision Trees, Custom Built Packages

Mar. 2023

- Built a machine learning algorithm to recursively learn patterns from inputs and predict the output of custom inputs.

Pacman, Object-Oriented Programming

Dec. 2022

- Mimicked the original Pacman using JavaFX, creating a breadth-first search algorithm, different game modes, and correlating key input with Pacman movement.

COMPUTING EXPERTISE

Brown University Department of Computer Science

May 2023 - Present

Undergraduate Teaching Assistant

- Hold weekly lab for ~20 students, teaching essential object-oriented programming skills, mentor students about Brown University extracurricular opportunities, perform code reviews to check student project comprehension, grade projects using Gradescope.
- Give biweekly mini-lectures on socially responsible computing, covering AI to Big Tech.

AI Robotics Ethics Society @ Brown

Sep. 2022 - Present

Research Assistant

- Research ethical problem solving to develop the AI Ethics tool, which aims to guide software engineers on creating value-sensitive projects.

IgniteCS

Sep. 2022 - Jan. 2023

Tutor

- Mentor local lower school students in scratch, algorithms, and computer science with weekly coding activities and projects with the Raices Dual Language Academy.

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, ensure facilities are in order, consult with superiors on ways to improve residential living.

Ashoka

May 2023 - Aug. 2023

Data Analytics Intern

- Used STATA to conduct qualitative and quantitative analysis on on Global Fellows survey, altering the company's perception of being a "Changemaker". Identified, complied, and tracked User Feedback KPIs for the company's CMI Performance report and dashboard.

Rhode Island Coalition to End Homelessness

Sep. 2022 - Nov. 2022

SOAR Intern

- Assist the Rhode Island Coalition to End Homeless with filing SSI/SSDI 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