FAIZAH NAQVI

☎ (732) 567-5976 ✉ faizah_naqvi@brown.edu 📍 Providence, RI

EDUCATION

Brown University, *A.B in Computer Science*   Providence, RI
GPA: 4.0/4.0   <u>Expected graduation</u> 2026

SKILLS

Programming Languages: Java, Python basic, C++ basic
Languages: Intermediate-High Chinese (ACTFL certified). Novice-High proficiency in Arabic (ACTFL certified). Basic Urdu.

PROJECTS

Pacman, Object-Oriented Programming   Dec. 2022
- Utilized JavaFX, creating a basic breadth-first search algorithm and different ghost modes to mimic the original game.

Decision Trees, Custom Built Packages   Mar. 2023
- Utilized multiple data structures to craft a basic machine learning algorithm to make decisions based on a certain input.

Travel Planner, Custom Built Packages   Apr. 2023
- Utilized BFS, Dijkstra's, and DFS algorithms to mimic a basic travel planner, training the algorithm to make a decision based on a certain input

Search, Custom Built Packages   Apr. 2023
- Utilized multiple data structures to implement page-rank logic in a project to Search multiple documents and rank them by relevance

RELEVANT COURSEWORK

Introduction to Object Oriented Computer Science
- Worked with Java to build classes from scratch, focusing on efficient design. Coded programs that mimicked games

Program Design with Data Structures and Algorithms
- Used Java and Python to design programs while utilizing multiple programming styles to code different algorithms

Linear Algebra
- Developed mathematical skills such as: working with linear transformations, vector space, matrices, linear equations

Multivariable Calculus
- Worked with three-dimensional analytic geometry, differential and integral calculus of functions of two or three variables

OTHER EXTRACURRICULARS

Brown University Department of Computer Science   <u>Expected start</u> Sep 2023
- Serve as a teaching assistant for "Introduction to Object Oriented Computer Science" by holding office hours to explain concepts and debug, grade student work

AI Robotics Ethics Society   Sep. 2022 - Present
- Research ethical problem solving, developing the AI Ethics Tool, designed to guide value-sensitive design.

IgniteCS   Sep. 2022 - Present
- Tutor local lower school students in scratch, algorithms, and science as a weekly tutor with Raices Dual Language Academy.

SOAR Intern, Providence, RI   Sep. 2022 - Nov. 2022
- Assist the Rhode Island Coalition to End Homeless with filing SSI/SSDI applications for those at risk of homelessness.

Community Coordinator   <u>Expected start</u> Aug 2023
- Serve as a residential leader by fostering welcoming residential environments that promote students' holistic well being.

AWARDS

- National Merit Commended Scholar,
- AP Scholar with Distinction
- Achievement Scholarship

- NSLI-Y VSI Morocco Scholarship Recipient
- NSLI-Y VSI China Scholarship Recipient