Zuizz M. Saeed

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An aspiring software engineer with a strong passion for software development and using technology to better our world.

EDUCATION

- Boston University (2021-2025)
  - Major: Computer Science
  - GPA: 3.68, Dean's List, Junior Standing
  - Relevant Courses: Intro to CS 1, Intro to CS 2, Combinatoric Structures, Geometric Algorithms, Probability in Computing, Concepts of Programming Languages, Analysis of Algorithms, Computer Systems

WORK EXPERIENCE

- Intern at Center for Quantitative Medicine, UCONN Health, Farmington, CT (Summer 2020, Summer 2022)
  - Project: NETISCE (computational tool for identifying cell fate reprogramming targets in static networks. In combination with machine learning algorithms, NETISCE estimates the attractor landscape and predicts reprogramming targets using Signal Flow Analysis and Feedback Vertex Set Control)
  - Successfully reprogrammed the unperturbed embryo to 6/7 tissue fates using the corresponding experimentally verified perturbations on FVS control nodes, giving Signal Flow Analysis an accuracy of 85% (See https://veraliconalab.org/software/)
- Computer Assistant/Programmer and Learning Ambassador at BU Spark! (2023-Present)
  - Design events such as hackathons and specialty CS workshops
  - Provide critical skills that supplement CS curriculum and accessible onramps for non-tech students
- Data Scientist for Justice Media Co-Lab (2023-Present)
  - Collecting, analyzing, and manipulating data to support investigative journalism for media partners
- Resident Assistant at Boston University (2022-Present)
  - Support 42 undergraduate students in their transition to college life by identifying and addressing their needs according to the goals of community building, diversity, and inclusion
  - Participated in a duty rotation for ~600 students, and responded to emergencies during 24-hour shifts
  - Utilized crisis intervention and conflict mediation skills to facilitate students through 1-on-1 meetings
- Intern at Cancer Clinical Research Office, Hartford Hospital, Hartford, CT (Summer 2019)
  - Shadowed Dr. Jessica Clement and Dr. Ahmad Daher in Oncology Department (doctor-patient conversations, staff meetings to discuss treatments/research, and operating room procedures)
  - Filed necessary documents regarding FDA approvals of drugs under trial, FDA 1572, etc.
- BU Engineering Library Assistant (2021-2022)
- BU Intramural Sports Referee (2022-Present)

PERSONAL PROJECTS (see portfolio)

- The Eight Puzzle
  - Uses state space search to solve the Eight Puzzle and compares the efficiency of various state space search algorithms (involving different heuristic functions)
- Connect Four
  - A Connect Four game that can be simulated between two AI players, played between a human player and AI player, or played between two human players. The AI player analyzes ideal future moves to improve its strategy (its intelligence can be adjusted by the user).
- Sudoku Solver
  - Implements recursive backtracking to solve any valid unsolved Sudoku puzzle

SKILLS

- Technology Stack: Python, Java, HTML, CSS, OCaml, UNIX, Git, VS Code, AutoCad
- Languages Spoken: Urdu/Hindi (spoken), ASL (intermediate), Mandarin (intermediate), English (fluent)