Zuizz M. Saeed

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SKILLS

- Python, Java, C/C++, Perl, HTML, CSS, ReactJS, Express, MongoDB, OCaml, MatLab, AutoCad, Git, Jira

EDUCATION

Boston University *September 2021 - May 2025*

- Combined Bachelor of Arts/Master of Science in Computer Science, GPA: 3.7/4.0 (Dean's List)

WORK EXPERIENCE

Software Engineer Intern - *Triumph Group* *June 2023 - Present*

- Migrated 1000+ SQA documents from Synergy (Issue Tracking Software) to Jira using Perl and Adobe Acrobat
- Evaluated ~70 test cases for the Automated Criteria Evaluation tool using Matlab
- Generated map files for dual-channel software builds and conducted unused code analysis of ~9000 C functions
- Assisted in SOI 2 software audit preparation (assessed 50+ Software Problem Reports and 170+ Unit Development Folders containing module source code, design/code review forms, and traceability/revision difference forms)

CS Learning Ambassador - *Spark!* *January 2023 - Present*

- Organized BU's Civic Tech Hackathon (100+ participants), weekly tech talks (~25 attendees/week), and created a welcoming environment in the Spark! Space for 30+ students during shifts (10 hours/week)
- Created 3 programming micro challenges for Baby Got Hack event (70+ participants)
- Guided ~20 students in Bug Bash Event, teaching students effective strategies for debugging

Data Scientist - *The Grio* *January 2023 - May 2023*

- Created/evaluated a database of 3,285 exoneration cases in the U.S. and utilized NumPy to analyze patterns of warrant misconduct by police officials (identified 51 cases of warrant misconduct)
- Presented findings at Demo Day event (150+ attendees), and published article in honor of Breonna Taylor

Course Assistant - *Boston University* *September 2023 - Present*

- Hold weekly office hours to help students with CS (Java) coursework and assist students during weekly lab sessions

Resident Assistant - *Boston University* *August 2022 - Present*

- Supported 42 undergraduate students in their transition to college life by identifying and addressing their needs according to the goals of community building, diversity, inclusion, and conflict mediation
- Participated in a duty rotation for ~600 students, and responded to emergencies during 24-hour shifts

Research Intern - *UCONN Center for Quantitative Medicine* *Summer 2020, Summer 2022*

- Given two feedback vertex sets computed by NETISCE, conducted perturbations on ~15,000 subsets of size 4 to identify targets for experimental cell fate reprogramming and presented progress to 10+ lab members every week
- Successfully reprogrammed the unperturbed embryo to 6/7 tissue fates using the corresponding experimentally verified perturbations on FVS control nodes (See https://veraliconalab.org/software/)

PERSONAL PROJECTS (see Github)

Rate My Gym (Boston Hacks 2023)

- A "Yelp" for the fitness community; this React/Express-based web application utilizes MongoDB to store user-submitted gym ratings and displays ratings for niche categories such as gender distribution and average age in a gym

First Step Fitness

- A React/Express based web application that utilizes Rapid API calls to provide users (who can login via Google OAuth) with unique workouts/exercises tailored to their inputted goals, and stores user information in MongoDB

Connect Four (Python)

- A Connect Four game that can be played with a human player or AI player. The AI player analyzes ideal future moves to improve its strategy (its intelligence can be adjusted by the user)

The Eight Puzzle (Python)

- Uses state space search to solve the Eight Puzzle and compares the efficiency of various state space search algorithms