# Rong Chen

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## EDUCATION

**Boston University, School of Computing & Data Science**  Expected May 2025
*Bachelor of Arts in Computer Science*  *GPA: 3.81*
**Relevant Coursework**: Data Structures & Algorithms, Software Engineering, Concepts of Programming Languages, Computer Systems, Probability in Computer Science, Linear Algebra

## EXPERIENCE

**Amica Mutual Insurance**  May 2023 – Present
*Software QA Developer Intern*  *Lincoln, RI*
- Implemented and maintained automated tests within Amica's QA framework using Selenium and TestNG to reduce manual testing by 30% and improve testing efficiency.
- Contributed to the improvement of the Agile development process, utilizing Jira to track and manage sprint progress, backlog refinement, and perform root cause analysis on 20+ failures weekly.
- Simulated user traffic and measured performance across various applications on NeoLoad to identify bottlenecks and gather insight for optimization.

**BostonHacks Tech Team**  Feb 2023 – Present
*Software Engineer*  *Boston, MA*
- Developed and maintained BostonHacks' hackathon website using React and Firebase to ensure functionality and user experience for over 300 hackers.
- Optimized website performance through React component and state management, improving user experience and run time by 20%.
- Utilized Firebase Authentication and Authorization to secure user data and incorporated role-based access control for admins on the BostonHacks team.

**Youth4AM**  Jun 2022 – Aug 2022
*Database Intern*  *Remote*
- Collaborated with peers to redesign Youth4AM's database by migrating data from google sheets to a MySQL database.
- Designed a full-stack application allowing over 100 teaching assistants to evaluate and manage over 100 students on a user-friendly website.
- Constructed a back-end application using PHP and MySQL for storing and manipulating individual data of teaching assistants and students data retrieval and management.

## PROJECTS

**Sfoodify** | *React & Firebase*  2023
- Leveraged the Spotify and Spoonacular APIs to build a full stack web application enabling users to experience cultures through food and music.
- Implemented user authorization and authentication to allow users to securely access and remove recipes bookmarked by users saved to user profiles.

**Marciano Dining Hall Web Scraper** | *Python*  2022
- Created a Python web scraper using the Beautiful Soup library to extract menu items and nutritional information daily from Boston University's Marciano Dining hall website.
- Generated csv files for extracted data, providing a convenient and accessible source of information for students to make healthy decisions to meet nutrition goals.

## TECHNICAL SKILLS

**Languages**: Python, Java, JavaScript, HTML/CSS, PHP, C, SML, Bash
**Frameworks & Databases**: React, Next.js, MySQL, Firebase, Selenium
**Developer Tools**: Git & Github, Jira, Fork, Jupyter Notebook, LaTeX