

Rong Chen

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EDUCATION

Boston University

Bachelor of Arts

Boston, MA

Expected May 2025

- GPA: 3.78
- Coursework: Software Engineering, Data Structures & Algorithms, Concepts of Programming Languages, Computer Systems, Probability in Computer Science, Linear Algebra, Discrete Mathematics

EXPERIENCE

Software Engineer

BostonHacks Tech Team

Feb 2023 – Present

Boston, MA

- Developed and maintained the hackathon website using React and Firebase to ensure functionality and user experience for incoming hackers.
- Optimized website performance through React component and state management, resulting in faster run times and increased user experience.
- Utilized Firebase Authentication and Authorization to secure user data and implement role-based access control on the website.

Database Intern

Youth4AM

Jun 2022 – Aug 2022

Remote

- Collaborated with a team to redesign the company's database on MySQL, utilizing data modeling techniques to ensure data integrity and security.
- Developed a back-end application using PHP and MySQL for storing and manipulating individual data of teaching assistants and students data retrieval and management.
- Developed a front-end application using JavaScript, HTML, CSS, and PHP for over 100 teaching assistants to evaluate and manage 100+ students, improving the efficiency of the evaluation process.

Cashier

George Sherman Union Food Court

Sep 2021 – Dec 2021

Boston, MA

- Maintained accurate inventory of menu items on Grubhub, ensuring timely and efficient order fulfillment for online customers.
- Prepared sandwiches and served food to customers, following food safety guidelines and providing a positive dining experience.
- Demonstrated excellent customer service skills, answering questions and addressing customer concerns in a friendly and professional manner.

PROJECTS

Marciano Dining Hall Web Scraper | *Python*

Boston Hacks 2022

- Developed a Python web scraper using the BeautifulSoup library to extract menu items and nutritional information daily from the Marciano Dining hall website.
- Generated csv files of the extract data, providing a convenient and accessible source of information for students to make healthy decisions regarding their nutrition goals.

8-Puzzle Game | *Python*

2021

- Recreated the classic 8-Puzzle Game, allowing users to rearrange a puzzle of 8 pieces into their correct positions.
- Implemented an automated solution to the randomized puzzles using search algorithms, including breadth-first search (BFS), depth-first search (DFS), and greedy search.

Zero Two Discord Bot | *Python*

Boston Hacks 2021

- Learned and applied the Discord API to create a messaging bot that helps people with mental health issues.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML/CSS, PHP, MySQL, C, SML, Bash

Frameworks: React, Next.js

Developer Tools: Git & Github, VScode, Jupyter Notebook, LaTeX