

# Rong Chen

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## EDUCATION

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### Boston University

*Bachelor of Arts in Computer Science*

Expected May 2025

*GPA: 3.81/4.00*

**Relevant Coursework:** Data Structures & Algorithms, Software Engineering, Object-Oriented Programming, App Development in C#, Computer Systems, Probability in Computer Science, Linear Algebra

## EXPERIENCE

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### BU Spark! Technology Innovation Fellowship (Quantly)

Sept 2023 – Present

*Lead Technical Developer*

*Boston, MA*

- Guided a cross-functional team consisting of 4 developers and 1 UX designer to successfully establish and develop a startup dedicated to providing college students with a platform to practice for quantitative analysis interviews.
- Leveraged Docker and Node.js to build a back-end infrastructure that manages secure and isolated remote code execution that enables users to practice and learn programming concepts.

### BostonHacks

Feb 2023 – Present

*Software Engineer*

*Boston, MA*

- Spearheaded the development and continuous maintenance of BostonHacks' hackathon website to deliver a seamless experience for a community of over 500 hackers.
- Enhanced website performance by implementing efficient React component and state management strategies, resulting in a 20% reduction in load times.
- Reinforced data security and user access control by integrating Firebase Authentication to enable role-based access management, safeguard user data, and empower BostonHacks' administrators with granular control.

### Amica Mutual Insurance Company

May 2023 – Aug 2023

*Software Quality Assurance Engineer Intern*

*Lincoln, RI*

- Developed and integrated automated testing within Amica's Quality Assurance framework using Selenium and TestNG, resulting in a 30% reduction in manual testing and enhancing testing efficiency.
- Identified and resolved over 20 failed tests weekly by conducting rigorous root cause analysis, ensuring the rapid and accurate resolution of issues to maintain software quality and reliability.

### Youth4AM

Jun 2022 – Aug 2022

*Full Stack Developer Intern*

*Remote*

- Pioneered the development of a comprehensive full-stack application that empowered 100+ teaching assistants to efficiently evaluate and manage a diverse cohort of 100+ students.
- Revamped and redesigned Youth4AM's database by migrating 200+ files of data spread across Google services to a MySQL database, thereby reinforcing data integrity and security.
- Automated folder generation and assignment distribution through Google Apps Script, resulting in streamlined administrative procedures and a 50% boost in efficiency for both students and teaching assistants.

## PROJECTS

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### Spot Me | C#, .NET, SQL Server, Google Maps API, Calendly API

Oct 2023 – Present

- Innovated a social media app designed to encourage and promote physical health and exercise.
- Leveraged third party APIs enabling users to get real-time locations and schedules of their friends.

### Sfoodify | React, Express.js, Firebase, Spotify API, Spoonacular API

Feb 2023 – May 2023

- Developed a full-stack web application enabling users to explore their desired cuisine experiences.
- Interfaced real-time data from third party APIs to provide users with 5+ personalized playlists and 20+ recipes.

### Marciano Dining Hall Web Scraper | Python, BeautifulSoup

Nov 2022 - Dec 2022

- Extracted 50+ menu items daily from Boston University's Marciano Dining hall website.
- Generated csv files to provide a convenient way for students to make healthy decisions and meet nutrition goals.

## TECHNICAL SKILLS

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**Languages:** Python, Java, JavaScript, C#, Typescript, HTML/CSS, SQL

**Frameworks & Database:** React, Node.js, Express.js, Next.js, .NET, tRPC, Prisma, MongoDB, Firebase SQL Server

**Developer Tools & OS:** Git, Linux, Windows, Docker, Github, Jira, Figma, VMWare