

Ryan Jung

jung.ry@northeastern.edu | (617)-792-8883
ryanjung.dev | github.com/rymaju | linkedin.com/in/ryanmjung

Education

Northeastern University | Boston, MA

Expected May 2023

Khoury College of Computer Sciences

Started Sept 2019

Candidate for B.S. in Computer Science and Minor in Interaction Design

Honors/Awards: 3.81/4.00 GPA, Dean's List Fall 2019 & Spring 2020

Relevant Coursework: Algorithms & Data, Object Oriented Design, Fundamentals of Computer Science 1 & 2

Skills

Languages **Proficient:** Javascript, Typescript, Java, Python, HTML5 / CSS
 Familiar: C#, Ruby, PHP, Racket, C, C++, Go, Elm, Racket, Scheme

Technologies **Proficient:** Git, React.js, Vue.js, Node.js, Express, GatsbyJS, Vert.x, MongoDB, PostgreSQL
 Familiar: Ruby on Rails, Django, MySQL, D3.js, Unity3D,

Work Experience

Technical Lead (Lucy's Love Bus Programs)

Sept 2020 – Present

Code4Community | Boston, MA

- Leading a team of eight to develop an event registration web app for Lucy's Love Bus, a Boston based charity for terminally ill children and their families.
- Assigning, reviewing, and creating tickets to distribute among 10 student developers in one week sprints.
- Developing an accessible React.js and Typescript frontend with Ant Design and Figma.
- Augmenting Java Vert.x REST API to accommodate new endpoints and testing endpoints with Postman.
- Coordinating between product designers and developers to streamline the design and development process.

Lead Frontend Developer (c4cneu.com)

July 2020 – Sept 2020

Code4Community | Boston, MA

- Increased click-through-rate by 19.9% in 1 month of development through SEO optimization.
- Managed development in React.js, Typescript, and Material UI to build reusable functional components.
- Led a team of four developers and one designer using Agile principles.
- Constructed using universal design principles to ensure exceptional contrast and accessibility.

Fullstack Web Developer (Testing & Security Team)

Sept 2019 – July 2020

Code4Community | Boston, MA

- Utilized Vue.js to create a responsive front-end.
- Increased code coverage with JEST and vue-test-utils to cover critical methods and logic for Vue components.
- Implemented RESTful API routing in Java with Vert.x to instantiate records in a PostgreSQL database.
- Added JWT verification to only allow authenticated users access to protected API endpoints.
- Coordinated and collaborated with 5-10 other developers using Agile development principles.

Personal Projects

Personal Website: ryanjung.dev

- Created a portfolio site with React.js/Gatsby, reaching scores of 95+ per category on Lighthouse Web Audit.

FundiesCollab (fundiescollab.com)

- Created a collaborative real-time code editor for Java with a built-in tester library with Vue and Express.
- Deployed on a DigitalOcean droplet, used by a peak of 60+ students to collaboratively write and run code.
- Protected users by isolating potentially malicious user submitted code in Docker containers.
- Implemented coding "rooms" using socket.io, allowing multiple users to work collaboratively.
- Produced a fast yet persistent database utilizing Redis, saving code for up to 7 days after the last edit.

baby-racket (baby-racket.netlify.app)

- Devised a miniature Racket/Scheme/LISP interpreter in Javascript without any packages or dependencies.
- Accomplished environment frames, lambdas, local definitions, structures, lists, strings, vectors, and symbols.
- Coded language specific testing function, comparing expressions by deep extensional equality.

Interests

Volunteering at K-12 after school programs in Boston; Cooking & Baking; Watercolor painting; Collegiate Starcraft II