

## Skills

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**Proficient:** Java, Javascript, React.js, Vue.js, Node.js, Express, Git, GatsbyJS, HTML5 / CSS

**Familiar:** Python, C#, Unity3D, Ruby on Rails, PHP, MongoDB, PostgreSQL

## Education

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<b>Boston, MA</b>	<b>Northeastern University</b>	<b>Expected June 2023</b>
<b>Major:</b> B.S. in Computer Science with Specialization in Software		
<b>Honors/Awards:</b>		
3.68/4.00 GPA, Dean's List Fall 2019		
<b>Singapore, Singapore</b>	<b>Singapore American School</b>	<b>Graduated June 2019</b>
<b>Certificate:</b> High School Diploma (4.27/5.00 GPA)		
<b>Relevant Courses:</b>		
AT Computer Science: Data Structures (Stacks, Queues, Heaps, Trees, Graphs) in Java		

## Personal Projects

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**Personal Website:** [www.ryanjung.dev](http://www.ryanjung.dev) (for additional information and projects)

**Utilized:** GatsbyJS, React.js, GraphQL

### Explorable Trie

- Developed interactive visualization of the Trie data structure using vanilla javascript and D3.js to educate high schoolers about this computer science topic.
- Utilized:** Javascript, D3.js

## Work Experience

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**Code 4 Community** **Sept 2019 – Present**

### Testing and Security API STO Lead (Frontend and Backend)

- Used Vue.js to create a responsive front-end for the Code 4 Community software development club website at Northeastern.
- 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 create records in a PostgreSQL database.
- Added JWT verification to only allow authenticated users access to protected API routes.
- Participated in a team using the Agile method for collaboration and productivity.

**Utilized:** Javascript, Vue.js, JEST, Java, Vert.x, PostgreSQL

### (Freelance)

**Feb 2018 – May 2018**

### Architectural Model Engineer and Designer

- Used Unity3D and Blender to create a fully interactive and to-scale virtual architectural model of redesigned health and wellness center.
- Utilized SteamVR to create a virtual reality extension of this project to showcase at school event with over 100 students.

**Utilized:** C#, Unity3D, SteamVR Developer Kit

## Interests

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Volunteering at local afterschool programs; Cooking & baking; Watercolor painting