

# Justin Variara

[jvariara@gmail.com](mailto:jvariara@gmail.com) | <https://justinvariara.com> | 845-531-9573

## Education

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**University at Buffalo**, The State University of New York

**May 2024**

- **Major:** Bachelor of Science, Computer Science
- **Relevant Coursework:** Intro to Computer Science I & II, Discrete Structures Systems Programming, Data Structures, Computer Organization, Intro to Algorithms and Probability, Linear Algebra, Computer Security, Calculus I & II, Statistics

## Experience

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**Freelance**

July 2022 - Current

Frontend Software Engineer

- Engineered scalable, responsive, multi-platform and SEO friendly websites for clients using HTML5, CSS3 + BEM, JavaScript ES6+ and React best practices

## Projects

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**E-Portfolio** ([View Project](#)) – ([GitHub](#))

- Designed, developed, and hosted my e-portfolio using semantic HTML5 and CSS3 (+BEM) best practises.
- Provided support for search engine optimisation for higher indexing through Google's search engine crawler.
- Included responsive and multi-platform support to enable the portfolio to be viewed on any platform and device.

**Social Media App (Twitter Clone)** ([View Project](#)) – ([GitHub](#))

- Implemented Google Sign-In/Sign-Out user authentication using Redux and Firebase to help display user's username and profile picture on Tweets.
- Implemented posting Tweets functionality which is stored in Firebase's real time Firestore database.
- Styled and developed with React, JavaScript, HTML and CSS best practices.

**Movie Searcher** ([View Project](#)) – ([GitHub](#))

- Implemented state management with React hooks and Context API.
- Fetched data from OMDb API to display search results.
- Styled and developed with React, JavaScript, HTML and CSS best practices.

**Disney Plus Clone** ([View Project](#)) – ([GitHub](#))

- Implemented Google Sign-In/Sign-Out user authentication using Redux and Firebase to help display user's initial and profile picture.
- Fetched data from a mock API to allow users to view additional information about movies/TV shows.
- Styled and developed with React, JavaScript, HTML and CSS Styled Components best practices.

**Google Search Engine** ([View Project](#)) – ([GitHub](#))

- Fetched data from Google Search API to display search results.
- Implemented state management with React hooks and Context API.
- Styled and developed with React, JavaScript, HTML and CSS best practices.

**Dynamic Allocator**

- Implemented a dynamic memory allocator suitable for replacing malloc() for heap memory in a Unix Process
- Worked with dynamic memory management, pointer manipulation, and pointer casting

## Technical Skills

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**Software:** VSCode, PyCharm, IntelliJ, Eclipse, Emacs, Notepad++, Vim

**Proficient:** HTML5, CSS3 (BEM), JavaScript ES6+, React (+hooks), Git, GitHub, C, Python

**Familiar:** Redux, npm, React dev tools, C++, Java, Scala