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**PORTFOLIC** 

**GITHUB** 

**LINKEDIN** 

SKILLS JavaScript, React, Redux, Ruby, Rails, PostgreSQL, MongoDB, Express.js, Node.js, Java, SQL, SQLite3, jQuery, HTML5, Webpack, Git

## **EDUCATION**

Full Stack Development Certificate - App Academy | Summer 2021 BA Computer Science - Rutgers University - New Brunswick | May 2019

## **PROJECTS**

MasaNote (Rails, React, Redux, ReactQuill, JavaScript, PostgreSQL, SCSS)

live | github

MasaNote is a single-page note-taking app that features a rich-text-editor, image uploading and autosaving

- Engineered secure RESTful authentication by encrypting passwords with BCrypt and generating and caching session tokens with use of non-deterministic, cryptographically strong random numbers.
- Applied customized design and functionality to react-quill library for smooth user experience in rich-text editing, extending functionality by implementing auto-save with native Javascript and React.
- Provided Notebooks feature for users to organize notes: renaming and deleting notebooks via modals as well as navigating directly to selected notebook to view all notes.
- Incorporated React-Redux container and Redux selector patterns to architect highly scalable and uni-directional front-end state management.
- Integrated HTML, SCSS, React and Redux to create overall fashion theme that provides users friendly and intuitive interface.

Triolingo (MongoDB, Express, Rails, NodeJS, ReactJS, CSS)

live | github

Triolingo is a single-page flash card learning app that features a dictionary, audio pronunciation and discussion board

- Utilized Validator.js library to validate user input in controller before saving to MongoDB database, to prevent saving of
- Employed dictionary by making axios fetch requests to dictionary public API to generate definition, example, synonym and audio pronunciation, where users can also create flash cards to store information by clicking one single button.
- Leveraged real-time discussion board to generate collaborative learning environment allowing users to ask questions and discuss study process.
- Collaborated with two other team members on daily stand-up reporting on current progress, short-term goals, and any roadblocks.

**Dropping Down** (JavaScript, Canvas, HTML)

live github

Dropping Down is a one player browser based game and the goal of the game is go down as many stairs as possible

- Constructed mathematics algorithm to randomly generate different types of stairs to increase difficulty of game and provide different effects and sound to player.
- Devised detection algorithm to determine player touch on stair or not and trigger the effect by passing data in two different classes
- Designed toggle pause using DOM addEventListener to change global status for player to click the screen to start or pause the game.
- Built complex DOM selection to allow users to manipulate character movement in real time.

## **EXPERIENCE**

## **Alternative Break Participant**

Buffalo State College Nov 2015 - Feb 2016

- Volunteered during student holiday breaks for organizations such as Matt Urban Hope Center, The Salvation Army, Outdoor Homeless Ministries to explore issues of hunger.
- Organized 3 tons of clothes donation and distribution to homeless in downtown Buffalo.
- Implemented prepared and distributed meals, cleaned shelters, and communicated with 3,000 homeless.