Will Betts

Software Engineer

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PROJECTS

Pley (Ruby on Rails, PostgreSQL React.js)   **LIVE** | **GitHub**

A single page web application inspired by Yelp

- Customized joined-table query methods in order to provide efficient and scalable data retrieval
- Developed a dynamic search bar that redirects to search results to enhance user navigation
- Implemented security checks in both rails and react to ensure users can only update and delete their own reviews

toDOM (JavaScript)   **LIVE GitHub**

A library for window interactions built using the native DOM API.

- Created event listeners that allow user interaction with the web page without the expense of a larger library
- Designed data to make AJAX requests so developers can fetch and alter data
- Built a single page todo list application using toDOM

Super Jeff (JavaScript, Easel, Canvas)   **LIVE** | **GitHub**

A game inspired by Super Mario built using JavaScript. Easel and Canvas.

- Implemented seamless collision detection via impulsed based functionality
- Utilized Canvas and Easel to display entities that are updated upon gameplay
- Constructed a state machine that responds to user input for precise movement and animation

EDUCATION

App Academy - New York, NY   **Dec 2016**

- Rigorous 1000-hour web development with < 3% acceptance rate

University of Vermont - Burlington, Vermont   **May 2015**

- Bachelor of Science in Mechanical Engineering; minor in Mathematics
- Curriculum Highlights: Programming for Engineers, Electrical Engineering Concepts, Digital Control w/ Embedded Systems, Linear Algebra, and Statistics for Engineering

WORK HISTORY

Mechanical Engineer   **2015 - 2016**

Mast Brothers

- Maintained machinery responsible for outputting 3k+ bars of chocolate per day
- Optimized production allowing for largest inventory in company history (100k+ bars)
- Collaborated daily with manufacturing engineers at Selmi and Cocoa Town, which involved ensuring that machines were being used and maintained in an optimal fashion

SKILLS

- Ruby, Rails, JavaScript, jQuery, React, Redux, AWS, SQL, PostgreSQL, Git, HTML, CSS, Google Maps API, Matlab, AutoCAD, SolidWorks, Arduino