

Will Betts

Software Engineer

[LinkedIn](#) | [GitHub](#)

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SKILLS

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

PROJECTS

Play (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 via Active Record that redirects to search results
- Implemented security checks in Rails and React to ensure users can only modify their reviews

toDOM (JavaScript)

[LIVE](#) | [GitHub](#)

A library for window interactions built using the native DOM API

- Created event listeners to interact with the browser without the expense of a larger library
- Designed to handle AJAX requests allowing developers to be able to fetch and alter data
- Built a single page todo list application using toDOM

Super Jeff (JavaScript, Canvas)

[LIVE](#) | [GitHub](#)

A game inspired by Super Mario built using JavaScript and Canvas

- Implemented seamless collision detection via impulse based functionality
- Utilized Canvas 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

March 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 to ensure optimal and proper machine maintenance and usage