

Will Betts

Software Engineer

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

SKILLS

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

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 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

- Architected 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 2017

- 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)
- Diagnosed issues by testing voltages on various machine parts