

# Edward Herman

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**SKILLS** React, Redux, Rails, Javascript, Ruby, Jbuilder, jQuery, MongoDB, Mongoose, Express, TDD, HTML5, CSS3, SASS, PostgreSQL, Heroku, Github, Webpack

## PROJECTS

**SpringBoard** (Ruby on Rails, React, Redux, PostgreSQL, JavaScript, HTML5, CSS3, Webpack, Heroku) [Live Site](#) | [Github](#)

*A basecamp clone where users can collect project details in todo-lists, a message board, and schedule.*

- Utilized React-Redux containers to architect modular components which were reused for 75% of the front end keeping the codebase DRY.
- Optimized back end routes using Rails and JBuilder in order to decrease queries giving the user less load-time for more information.

**plantr** (Javascript, MongoDB, mongoose, Express, React, Redux, CSS3, Webpack, PostgreSQL, Heroku) [Live Site](#) | [Github](#)

*Collect your houseplants in a 'garden' to receive watering and check in reminders.*

- Utilized mongoose schema methods to create a joins architecture giving users the ability to collect plants in their digital garden.
- Created validations for MongoDB documents taking advantage of mongoose validator methods
- Implemented User Auth by encrypting user details via the JSON Webtoken library to be sent over HTTP ensuring unencrypted passwords are not saved to our database.

**BBG-Tree-Explorer** (JavaScript, D3.js, HTML5, CSS3, Webpack) [Live Site](#) | [Github](#)

*Explore Brooklyn Botanic Garden's Living Collection Database.*

- Used D3.js v5 to create a tree data-visualization giving users the ability to find a list of plant specimens in any part of the gardens.
- Animated the collapse and expansion of tree branches using JS DOM manipulation to increase user's interaction with the site.
- Converted BBG's csv database into hierarchical structure utilizing a combination of D3.js and custom algorithms.

## EXPERIENCE

**Stage Manager** New York, New York

*Freelance*

2009 - 2019

- Engaged in proactive problem-solving to solve backstage bottlenecks allowing critical time to be spent on audience-facing details.
- Created and maintained databases of information for all design departments and ensured that all moving parts worked in concert to create a seamless performance.
- Managed large and diverse teams made up of actors, crew, and other stage managers to ensure efficient use of time and resources.

**Event Associate** New York, New York

*New York Road Runners - Part Time*

2015 - 2019

- Automated the creation of comprehensive one-sheets for 119 different performance locations enabling me to prioritize other responsibilities
- Oversaw multiple overnight load-in teams simultaneously across New York City ensuring superiors were constantly in the loop and resources were sent where they were most needed.

## EDUCATION

**App Academy** New York, New York

*Curriculum of Study in Web Development (Ruby on Rails and JavaScript)*

September 2019- January 2020

**Southwestern University** Georgetown, Tx

*Bachelor of Fine Arts in Technical Theatre (Concentration: Design and Technology)*

Class of 2010