

# Edward Herman

## Software Developer

281-380-6025 New York, NY [Github](#) [LinkedIn](#) [AngelList](#) [Portfolio](#) [edward.herman.87@gmail.com](mailto:edward.herman.87@gmail.com)

**SKILLS** React, Redux, Rails, Javascript, Ruby, Jbuilder, jQuery, MongoDB, Mongoose, Express, Node.js, D3.js 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, and a message board.*

- Utilized React-Redux containers to architect modular components which were reused for 75% of the front end keeping the codebase DRY.
- Integrated the React-Quill library which allows the user to create rich-text formatted messages by storing string versions of their HTML formatted input without requiring any change to backend configuration or increase in overhead.
- 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, Heroku)

[Live Site](#) | [Github](#)

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

- Designed a joins architecture with mongoose's schema methods, 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 Web token 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](#)

*Visually explore Brooklyn Botanic Garden's Living Collection Database.*

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

## EXPERIENCE

**Stage Manager** | *Freelance* (New York, NY)

2009 - 2019

- Engaged in proactive problem-solving for backstage bottlenecks, allowing allocation of critical time to 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 of actors, crew, and other stage managers to ensure efficient use of time and resources.

**Event Associate - New York City Marathon** | *NY Road Runners - Part-Time* (New York, NY)

2015 - 2019

- Automated the creation of one-sheets for 119 different performances saving NYRR significant time and resources.
- Remotely coordinated overnight load-in teams across New York City ensuring show-readiness for 50,000 runners.

**Membership Coordinator** | *PLG Community Supported Agriculture* (New York, NY)

2016 - 2019

- Import SignUpGenius reports to a Google Sheet which incorporates additional member data and automatically calculates each share's progress in completing their membership requirements.
- Utilize the SignUpGenius API to populate a portal of information for CSA managers to see volunteers' information, check them in, and keep our records up to date (in progress).

## EDUCATION

**App Academy**

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

**New York, New York**  
September 2019- January 2020

**Southwestern University**

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

**Georgetown, TX**  
Class of 2010