

Edward Herman

Software Engineer

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SKILLS Javascript, Ruby, Python, HTML, CSS3, Rails, Flask, Express, Sequelize, SQLAlchemy, Mongoose, MongoDB, React, Redux, Postgres, Heroku, Github

EXPERIENCE

Cohort Instructional Assistant | *App Academy* (New York, NY) | 2020 - Present

- Lecture on data structures, algorithms, intro to Javascript and Python, Express, React, Flask, SQLAlchemy, HTML, CSS, and more
- Oversee project managers for 50 fullstack applications during students' project sprint weeks.
- Ensure students understand debugging steps so they can avoid spending "5 hours googling to save 5 minutes reading docs".
- Arbitrate student conflict, alleviate mental fatigue, and encourage the cohort's supportive culture.

Software Engineering Instructor | *App Academy* (New York, NY) | 2020 - Present

- Lecture, lead Q&As, and guide students learning as they progress through the Fullstack Javascript and Python curriculum.
- Administrator for a cohort of 50-100 students during their 24-week full-stack web development bootcamp.

Software Engineering Apprentice | *App Academy* (New York, NY) | 2020

- Administer technical interviews to determine applicants' proficiency with Javascript, Ruby, and Python.
- Complete behavioral interviews to determine students' abilities to perform in collaborative, high-stress situations.

Software Engineer | *PLG Community Supported Agriculture* (New York, NY) | 2020

- Utilize an external API to track volunteer hours and update our internal database.
- Eliminated the need for manual entry and saved our volunteer-board hundreds of hours.

PROJECTS

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

(Ruby on Rails, React, Redux, Postgres, JavaScript, HTML5, CSS3, Webpack, Heroku)

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

- Built modular React components which I was able to reuse throughout the application to keep the codebase DRY..
- Optimized API using Rails and JBuilder to decrease queries giving the user less load-time for more information.
- Styled the application using SCSS modules to keep rules specific, organized, and maintainable.

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

(Javascript, MongoDB, mongoose, Express, React, Redux, CSS3, Webpack, Heroku)

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 authentication using JWTs to ensure secure user sessions.

BBG-Tree-Explorer | [Live Site](#) | [Github](#)

(JavaScript, D3.js, HTML5, CSS3, Webpack)

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.

EDUCATION

App Academy

Full-Stack Web Development (Ruby on Rails and React w/ Redux)

New York, New York

September 2019- January 2020

Southwestern University

Bachelor of Fine Arts in Technical Theatre (Stage Management, Design and Technology)

Georgetown, TX

Class of 2010

Fun Fact: I spent a decade Stage Managing in NYC theatre where I collaborated to bring many artists' visions into one performance.