

# MORGAN TROTTER

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415.827.5549

[Website](#)

[LinkedIn](#)

[Github](#)

## EDUCATION

### University of California, Santa Cruz

*Bachelor of Arts, Computer Science*

09/ 2016 - 06/ 2019

### University of Washington, Seattle WA

*Pre-Computer Science Major*

09/2014 – 03/2016

## SKILLS & COMPETENCIES

**Front-End Skills** - HTML, CSS, JavaScript, D3.js, React, Redux, Bootstrap, Pug, SASS, Reactstrap, Sublime Text 3, Github, GitBash, CodePen, Chrome Development Tools, NPM, Yarn, Unix/Linux

**Design Skills** - Adobe Photoshop CC, Adobe Illustrator CC

**Back-End Skills** - JavaScript, Java, C++, PostgreSQL, MySQL, Python, Node.js, Express.js, Android Studio

## PROJECTS

### CO2 Emissions Data Visualization

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- Made use of D3.js force and tick manipulation along with each bubble's radius to block overlapping circles and group each bubble by continent.
- Wrote a Python script that uses a linear extrapolation formula to obtain predictive data in a CSV file.
- Utilized SVG buttons to create a UI that allows the user to change the year being visualized, as well as CSS3 and the JavaScript Math.abs function to visualize a decrease in emissions across two different years.
- Used the D3.js exponential scale to size each country's bubble accordingly and D3.js interpolate to color each continents SVG text box in relation to the total MtCO2 emissions.
- Created a static Express.js server to host the webpage and deployed to Github Pages through the Github master branch

### Shop Safe Marin

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- Used Redux Thunk, Fetch and the REST API to send and retrieve clients curated data with a JSON server.
- Manipulated Reactstrap including setting specific design format parameters to create a responsive design that adjusts based on the user's device.
- Applied the React Transition Group library to animate various elements when navigating between pages.
- Operated the React Router DOM library to allow the user to navigate between pages.
- Implemented the React Redux Form library and made validators to create controlled forms including reviews and site feedback.

### Ev

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- Made use of the Col and Row Reactstrap classes to optimize use of the application for mobile.
- Uploaded user data to a JSON server using Redux Thunk, Post and the REST API and subsequently Fetched and displayed user data across multiple pages.
- Utilized the Form, Errors and Control classes from the React Redux Form library and created validators to make controlled forms for user information.

## EXPERIENCE

### Giants Baseball Summer Rally Camps, San Francisco CA

7/2020 – 9/2020

Baseball Coach and Camp Counselor managing groups of 10-12 kids instructing on leadership/team dynamics skills

### OnBoard Experiential Marketing, Sausalito CA

7/2015 - 9/2015, 7/2016 - 9/2016

Brand Ambassador for Bear Naked Granola, Air France and Morningstar Farms at various events around SF Bay Area