

# MORGAN TROTTER

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Front-End Developer with 4+ years of experience building and optimizing responsive, user-focused web applications for enterprise brands like Williams Sonoma. Skilled in Vue.js, D3.js, and modern JavaScript tooling, with a strong background in UI/UX collaboration, testing, and performance optimization.

## EXPERIENCE

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### Williams Sonoma Inc - San Francisco, CA

04/2021 - Present

*Front-End Developer, Contractor - Kforce Inc.*

- Collaborate with Site Management, Creative and Engineering teams to push out fully tested bi-weekly releases to the WSI e-commerce platform including UI/UX redesigns and feature functionality changes.
- Maintain QA and UAT environments by consistently rebasing environment branches with production branches, updating the environment manifest, and running Jenkins jobs.
- Designed and led technical interviews to evaluate candidates' coding ability, problem-solving skills, and cultural fit for software engineering roles.
- Write custom BASH scripts to optimize workflow when switching between local environments.
- Utilize AEM's custom JS component to manipulate pages functionality in a timely manner with vanilla JavaScript.
- Update and create new Vue.js files and maintain code coverage by writing unit tests with JEST.

### Turner Engineering - Remote

04/2025 - Present

*Front-End Developer and Data Engineer, Independent Contractor*

- Develop Vue3.js and Vite applications with D3.js visualizations to show how much time can be saved by syncing traffic signals with SF Metro vehicles. [Live Demo](#)
- Automated traffic data collection from [511.org](https://511.org) SF Bay and wrote additional JavaScript scripts to process and curate data to separate JSON files before visualization. [Github](#)
- Implement CI/CD using GitHub Actions, enabling automated testing and deployment for Vue3.js + D3.js applications.
- Use the UI component framework library Vuetify to enhance the design of Vue components.
- Incorporate ESLint and Prettier for finding errors and formatting code.

## EDUCATION

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### University of California, Santa Cruz

09/2016 - 06/2019

*Bachelor of Arts, Computer Science*

### University of Washington, Seattle WA

09/2014 - 03/2016

*Pre-Computer Science Major*

## SKILLS & COMPETENCIES

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**Core Front-End:** JavaScript (ES6+), Vue.js, Vite, D3.js, HTML, CSS, Jest, SASS, Bootstrap, Prettier, ESLint

**Back-End & Tools:** Node.js, PostgreSQL, MySQL, Git, Jenkins, NPM, Bash

**Design & UX:** Figma, Photoshop, Illustrator

## PROJECTS

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### CO2 Emissions Data Visualization

[Live Demo](#) | [ReadMe](#)

- Interactive D3.js tool visualizing global emissions trends grouped by continent, intended for non-technical audiences.
- Implemented predictive modeling via Python, advanced bubble collision handling in D3.js, and deployed on GitHub Pages, increasing accessibility of climate data to educators and researchers.
- 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