

# Claire Casey

Full Stack Software Engineer

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## EXPERIENCE

### Software Engineer Intern @ Rithm School

02/2021 - Current // San Francisco, CA

- Building out Student Information Site, including admin and user enhancements for assessment submissions and on-brand UI features.
- **Languages & technologies:** JavaScript, HTML, CSS, Django, PostgreSQL

### Transportation Analyst @ Kittelson & Associates

08/2019 - 10/2020 // Oakland, CA

- Developed transportation solutions including multi-million dollar **database and tool development** tasks, systemic safety analyses, data analysis using **Python web scraper**, and emerging technology preparedness studies across over thirty project teams.
- Collaborated with clients, project managers, and peers to provide clients and communities with meaningful transportation solutions.
- **Led and organized** monthly discussions with thirty junior staff across the firm and bi-weekly workload and skill sharing sessions among regional peers.

### Civil Engineering Intern @ Tesla, Inc.

05/2018 - 08/2018 // Reno, NV

- Developed CAD standards, CAD vehicle tracking simulations and the Stormwater Pollution Prevention Plan in collaboration with disciplines across the Gigafactory 1 Engineering Design team.
- Forecast parking and shuttle needs based on hourly **historical data analysis** and completed rail cost-benefit analysis for a 30-year transportation study.

### Undergraduate Research Assistant @ Rice University.

01/2017 - 12/2017 // Houston, TX

- Constructed a computational **algorithm in MATLAB** to analyze and store data of power outages in the Houston area to better understand the energy grid network, reliability, and resilience.

## PROJECTS

**BART Visualization** - an interactive visualization of departure times along the BART network built using **Javascript D3**. [Demo](#) | [Github](#)

**Jobly** - a job application site built using **React** on the frontend. Backend is built with **Express** and **PostgreSQL**. [Demo](#) | [GitHub](#).

**Warbler** - a Twitter clone built using **Python, Flask**, and **PostgreSQL**. [Demo](#) | [Github](#)

## SKILLS

### Languages:

JavaScript, Python, HTML, CSS, MATLAB

### Technologies & Frameworks:

React, Node.js, Express.js, jQuery, Flask, Django, Javascript D3, Jest, Bootstrap

### Database & Cloud Storage:

SQL, PostgreSQL, AWS S3

## EDUCATION

### Rithm School

01/2020 - 03/2021

// San Francisco, CA

Full Stack Web Development

### Rice University

08/2015 - 05/2019

// Houston, TX

B.S. in Civil Engineering

**GPA: 4.0**

### Awards:

Overall Outstanding Senior Engineering Student  
Phi Beta Kappa  
Tau Beta Pi  
Summa Cum Laude

### Activities:

Rice Admissions Interviewer & Tour Guide  
Peer Academic Advisor  
Engineers Without Borders

## CONNECT



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