

# RACHEL FISCHOFF

## FRONT END ENGINEER

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in in/rachel-fischoff

🌐 /rachel-fischoff

📍 Durham, NC

Creative and passionate Front End Engineer who loves learning new things, social justice, and good design informed by data. Proficient in HTML, CSS, Javascript & React; plus Gatsby, Redux, Hooks, Bootstrap & Material-UI. I enjoy building websites & applications.

## SKILLS

JavaScript  
React/Redux/Hooks  
Gatsby  
Node/Express  
Python  
Flask  
TensorFlow  
NLTK  
Scikit-Learn  
Pandas  
MySQL  
MongoDB  
WordPress  
HTML/CSS  
Material-UI  
Bootstrap  
GitHub  
Agile Methodologies  
Pair Programming  
Test Driven Development

## EDUCATION

### Certificate in Full Stack Web Development

Project Shift Software Engineering Fellowship  
2020 — Present

### Marshall Brennan Constitutional Literacy Fellow, Coursework towards Juris Doctor

Howard University School of Law  
2009 — 2011

### BA with Honors and Distinction, International and Area Studies

UNC-Chapel Hill  
2001 — 2005

## EXPERIENCE

### SOFTWARE ENGINEERING FELLOW

Project Shift | 2020 — present

*Project Shift is a competitive Full Stack Software Engineering fellowship that accepts only 30% of applicants. The full-time immersive program combines Computer Science principles, industry frameworks & pair-programming.*

- 750+ hours creating Full Stack applications and over 20 web projects
- Learned the underlying foundation behind Full Stack frameworks (i.e. MVC data flow, Backbone, React/Redux, Express.js)
- Utilized source control and collaborated daily with classmates on lessons and Agile projects
- Developed optimized Frontend applications by handling MVC data flow

## CAPSTONE PROJECTS

### SENTIMENT ANALYSIS

Capstone Individual Project | Full Stack Text & Twitter Analysis Application

*Technologies Used: Python, TensorFlow, Flask, Pandas, NLTK, Scikit-Learn, Tweepy, React, Hooks, Material-UI*

- Implemented client-side routing, central state application management and Material-UI with React, React-Router-DOM, and Hooks
- Created a Flask Back End using NLTK, Scikit-Learn and Pandas libraries to analyze the text for sentiment by word and N-Grams

### HOMEBASE

Capstone Agile Project | Product Owner

*Technologies: React, Redux, Node, Express, MongoDB*

- Acted as the primary liaison for clients, oversaw development stages, managed product backlog, and prioritized team needs
- Followed Agile development processes and implemented Git practices to complete full stack team application.

## RELATED VOLUNTEER EXPERIENCE

### OUT IN TECH - DIGITAL CORPS

Participated in the June 2020 OIT - Digital Corps

- Created Trans Tanzania Initiative's website <https://transstepup.org/> using WordPress and CSS.

### SCIKIT-LEARN SPRINT

Participated in the June 2020 Online Scikit-Learn Open Source Sprint

- Updated the color schema for the Matplotlib examples for greater accessibility

### NC OPEN PASS - BY OPEN RALEIGH BRIGADE

- Updated WordPress website for civic tech showcase