

RACHEL FISCHOFF

SOFTWARE ENGINEER

✉ rfischoff@gmail.com

in in/rachel-fischoff

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📍 Durham, NC

A Full Stack Software Engineer who loves learning new things, social justice, and good design informed by data. As a former hospitality worker, I thrive in a team and bring a client-focused perspective.

SKILLS

JavaScript
React/Redux/Hooks
Node/Express
Python
Flask
TensorFlow
NLTK
Scikit-Learn
Pandas
MySQL
MongoDB
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

DEVELOPER EXPERIENCE

SOFTWARE ENGINEERING FELLOW

Project Shift | 2020

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 foundations behind Full Stack frameworks.
- Utilized source control and collaborated daily with classmates on lessons and Agile projects.
- Engineered Back End applications and RESTful APIs using Node with Express.

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, 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 a 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.