

Julia Howes

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I am a **biomedical engineering graduate turned software engineer**. My most impactful experiences during University helped to expose my appreciation for software and inspire a career shift, which I have pursued head-on since graduating in May 2020. I am eager to work on challenging and innovative projects that improve lives.

Experience

Front-End Engineer at Objective-She, San Francisco CA

September 2020 -- February 2021

- Built several major React features for the main website, including a “Discover” page with videos and details of past events. Collaborated with designers to discuss implementation and limitations.
- Redesigned state management and validation for volunteer forms with React and Redux to improve usability and boost website traffic.
- Parsed and integrated event data into website by fetching from Google spreadsheet with Gatsby queries.

Software Engineering Intern at SuperWorld, Los Angeles CA

September 2020 -- December 2020

- Enhanced MapGL-based feature on flagship product by overlaying dynamic and interactable user data to explore activity on the map, using React with Hooks and Axios.
- Led an intern team to build and integrate a guided-tour feature for the flagship product, using React with TypeScript and Hooks, Bootstrap, and Material UI.

Education

Rithm School -- San Francisco, CA

February 2021 -- June 2021

Full Stack Web Development Bootcamp

University of Minnesota -- College of Science and Engineering

September 2016 -- May 2020

Bachelor of Biomedical Engineering | 3.4 GPA

Supplemental Courses: *Nand To Tetris*: Computer Architecture & Programming Languages | Discrete Math

Projects

Pet Net -- A Peer to Peer Pet Adoption Web App

github.com/juliahowes124/PetNet

- Built a full-stack web app with an Angular and TypeScript frontend, an ASP.NET Core and C# API, and a SQLite database. Features include Cloudinary photo-upload, private messaging, pagination, filtering, and sorting of pets, and secure authentication and authorization.

Travel App -- A Social Web App to Share Travel Experiences

github.com/juliahowes124/TravelApp

- Built a full-stack web app with a React front-end, Node/Express RESTful API, and a MongoDB database.
- Implemented secure storage of Bcrypt-hashed passwords and authenticated sessions with JWTs.

Skills

Experience: JavaScript | Python | React | Node | Express | Flask | PostgreSQL | ORMs | SQL | Integration & Unit Testing | JQuery | Git | CSS | HTML

Exposure: Angular | TypeScript | ASP.NET Core | C# | Bootstrap | MongoDB | C++ | Gatsby