

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.

Education

Rithm School -- San Francisco, CA
Full Stack Web Development Bootcamp

February 2021 -- June 2021

University of Minnesota -- College of Science and Engineering
Bachelor of Biomedical Engineering | 3.4 GPA

September 2016 -- May 2020

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

Skills

Experience: JavaScript | React | CSS | HTML | Git | GitHub | Bootstrap | TypeScript | Gatsby

Exposure: Python | C# | Angular | ASP.NET Core | SQLite | NodeJS | Express | MongoDB | SQL | C++

Experience

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

September 2020 -- Present

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

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 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.

Projects

PetNet -- A Peer to Peer Pet Adoption Web Application

- Built a full-stack web app with an Angular frontend with TypeScript and Bootstrap CSS, a RESTful API with ASP.NET Core and C#, and a SQLite database.
- Features include user registration and login, secure authentication, session management, photo-upload with Cloudinary, private messaging, pagination, filtering, sorting, error handling, and form validation.

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

- Built a MERN full-stack web application with user authentication and CRUD operations for posts.