

# William Ley

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## FULL STACK SOFTWARE ENGINEER

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Full stack software engineer with a passion for building community and improving communication through technology. With experience in Ruby on Rails, JavaScript, and React and a background in diversity, equity, and inclusion work, I first came to web development through a desire to create in new ways and connect people across cultures and backgrounds. I bring strong skills in writing clear, clean, and well-tested code, managing multiple projects to deadline, and understand the work ethic needed to meet the challenges of a distributed and asynchronous team in a collaborative environment.

## TECHNICAL SKILLS

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JavaScript, React, Redux, Thunk, Sagas, Node.js, Express, TypeScript, Jest, Enzyme, HTML5, CSS, CSS-in-JS, CSS Grid, Ruby, Ruby on Rails, Rspec, Python, Flask, Pytest, REST, PostgreSQL, SQL, MapBoxGL, VectorWorks, Git, Figma

## TECHNICAL PROJECTS

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### Fantasy Baseball App - [Video Walkthrough](#)

*A custom app for the Coqui Fantasy Baseball League*

- Automatically lock-in playable teams at a given time
- Team owners can trade players between each other and free agents
- Admin panel to allow for management and creation of seasons and owners
- Built with Semantic UI React, React/Redux/Sagas, Node.js(Express), TypeScript, Socket.io, and CSS Grid

### WeRHere - [GitHub](#) | [Heroku](#)

*A web app for people experiencing homelessness which works both on and off line*

- Uses MapBoxGL for display and interaction with geolocation data
- Incorporates 14 DC.gov Open Data APIs to put many of the city's resources together on one platform
- Built with Semantic UI React, React/Redux/Thunk, and CSS Grid

### Flatiron Students Connect - [GitHub](#) | [Heroku](#)

*A platform for students to take and easily share notes and online references*

- Uses React as a gateway for dynamic page management
- Includes Redux and Thunk for state management and component flexibility and JWT token auth
- Supported by Rails as an API to manage integration with Postgres
- Persisted with Postgres and hosted on Heroku

## EXPERIENCE

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### Freelance Full Stack Developer

Full Stack Development of custom applications

Washington, DC  
10/2019 - Present

### Flatiron School

Software Engineering Coach

Washington, DC  
10/2018 - 09/2019

- Developed a React Interface with a Rails API for an existing student-pairing application providing a more informative and intuitive user experience
- Taught, built, and modified existing curriculum for Ruby, Sinatra, Ruby on Rails, JavaScript, React, and Redux; Graduated seven cohorts
- Collaborated and lead code-based marking events for over 40 participants, pair programed with the engineering team building a Slack bot
- Interviewed potential students from all over the world on a distributed team

### Georgetown Day School

Diversity, Equity, and Inclusion Teacher ( 9th grade Seminar)

Washington, DC  
09/2009 - 06/2018

- Facilitated social justice discussions around subjects such as race, religion, sexual orientation, gender, and socioeconomic status
- Collaboratively developed curriculum on a cross departmental team

## EDUCATION

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### Flatiron School

Full Stack Web Development, Ruby on Rails and JavaScript program

06/ 2018 - 09/2018

### Boston University, Boston, MA

Bachelor of Arts, English

05/ 2000