

# William Ley

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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 managing multiple projects to deadline, and leading and engaging people with varying goals and expertise to every team of which I am a part.

## TECHNICAL PROJECTS

### **WeRHere** - [GitHub](#) | [Heroku \(CSS for mobile only\)](#)

*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

### **Onitama** - [GitHub \(with August Guiles\)](#) | [Heroku](#)

*A custom digital version of a chess-like board game from Japan*

- Extensive use of CSS Grid to connect style and feel to original board game
- Built on JavaScript for DOM manipulation and logic
- Persisted with Rails and Postgres for game continuity even with a refresh of the page

## TECHNICAL SKILLS

Ruby, Rails, SQL, JavaScript, React, Redux, Thunk, TypeScript, HTML, CSS, CSS Grid, MapBoxGL, VectorWorks

## EMPLOYMENT HISTORY

### **Software Engineering Coach**, Washington, DC

Flatiron School, *October 2018 – Present*

- Develop a React interface with a Rails API for an existing student-pairing application, providing a more informative and intuitive user experience
- Communicate with lead instructors to deploy content that meets learning objectives
- Teach, build, and modify existing curriculum for Ruby, Sinatra, Ruby on Rails, JavaScript, React, and Redux; seven cohorts to date
- Collaborate in code-based marketing events and researching for small engineering team projects

### **Technical Theater Director**, Washington, DC

Georgetown Day School, *September 2007 – July 2018*

- Supervised all aspects of production and design for performances across departments
- Developed the curriculum for a theater production and design class

### **Diversity, Equity, and Inclusion Teacher**, Washington, DC

Georgetown Day School, *September 2009 – July 2018*

- Facilitated social justice discussions around subjects such as race, religion, sexual orientation, gender, and socioeconomic status

## EDUCATION

**Flatiron School**, Washington, DC – 2018

Software Engineer Bootcamp

**Boston University**, Boston, Massachusetts – 2000

Bachelor of Arts: English

NAIS Diversity Leadership Institute – *June 2017*

National Diversity Directors Institute – *2015-2016 Cohort*