

# Louisa Johnston

Full-Stack Developer

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## Skills

**Tech Stack** | React, React Redux, Redux Thunk, JavaScript, Python, TypeScript, C#, RESTful API, PostgreSQL, MySQL, SQL, Mongoose, MongoDB, Express.js, Next.js, Node.js, Socket.IO, EJS, Axios, CSS3, and HTML5

**Other** | Figma, Heroku, Netlify, Vercel, GitHub, Pygame, WordPress, Squarespace, NationBuilder, Cargo, Adobe Photoshop, Adobe InDesign, Adobe Premiere, Canva, and Google Analytics

## Projects

### **Chatterbox**

03/2021

*Socket.IO, React, React Redux, PostgreSQL, Express.js, and Node.js (github.com/LouisaJohnston/Chatterbox)*

- Contributed to a full-stack, real-time, event-based web messenger application built with Socket.IO
- Created React components to render information pertaining to authorized user conversations and managed state using React Redux and Redux Thunk to optimize performance
- Improved the efficiency of retrieving PostgreSQL data by minimizing requests to the server, in addition to closing security vulnerabilities

### **Bot Noggle**

04/2021

*Python, Pygame (github.com/LouisaJohnston/botNoggle)*

- Built a version of Boggle using Python and Pygame to render a 4x4 grid out of a two-dimensional array of randomized letters corresponding to the real Boggle dice
- Inserted dictionary information into a trie data structure to optimize the project's time complexity

### **Word-cross'd Puzzler**

02/2021

*JavaScript, CSS, and HTML (github.com/LouisaJohnston/Word-crossd\_Puzzler)*

- Designed a grid-based 5x5 crossword puzzle to run in-browser for desktop computers using DOM event listeners

## Work Experience

### **Full-Stack Developer** (Volunteer)

08/2021 - Present

*Generate Good*

*Remote*

- Develops supplemental features for the company's web platform using React, MySQL, JavaScript, and C#
- Works within the existing app architecture to ensure functionality and efficiency as well as recommend improvements as needed

### **Software Engineering Teaching Assistant** (Part-Time)

08/2021 - Present

*General Assembly*

*Remote*

- Supports software engineering students with drop-in debugging assistance
- Tutors students with 1:1 learning support to review concepts taught in class and explain processes

### **Marketing & Communications Coordinator** (Part-Time)

07/2020 - 01/2021

*The Tucker Foundation*

*Remote*

- Took ownership of the foundation's WordPress site and streamlined it according to both platform and SEO best practices

### **Marketing & Communications Coordinator**

09/2018 - 07/2019

*The People Concern*

*Los Angeles, CA*

- Built a Squarespace site designed to compile resources for individuals experiencing homelessness and optimized for mobile through custom CSS to improve accessibility
- Expanded monthly social media engagement by over 300% in eight months, using an analytics rubric weighted to favor interactions most likely to convert into donations

### **Communications Intern**

03/2018 - 08/2018

*Levitt Foundation*

*Los Angeles, CA*

- Created fifteen websites for Levitt AMP Grant Award winners using NationBuilder while providing HTML/CSS support, and writing over 200 artist biographies
- Authored eight original pieces for the foundation's national blog covering music, arts access, and creative placemaking

## Education

### **General Assembly**, San Francisco, CA

01/2021 - 04/2021

Immersive software engineering program focused on creating full-stack applications through project development

### **Occidental College**, Los Angeles, CA

09/2013 - 05/2018

Bachelor of Arts: Focus in Psychology; Double-Minor in Media Arts & Culture and Interdisciplinary Writing