

# Brenda Zhang

## Cog Sci Major & Comp Sci Minor

University of California, Berkeley

08/2015 - 05/2019 (anticipated)

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[brendacs.github.io/desktop](https://brendacs.github.io/desktop)

## WORK EXPERIENCE

### Software Engineering Intern

The Climate Corporation

05/2018 - 08/2018

San Francisco, CA

- Developed React Native app, for internal staff to scan QR codes, which queries/updates Salesforce records using SQL
- Modernized events page by creating search, sort, and edit Java functions and added form with Java/SQL backend
- Enhanced testing automation with addition of over 100 front and back-end unit tests written in Java, Jest, and Enzyme
- Added reusable React feature components, such as toast notifications, tooltips, and components for internationalization

### Full Stack Engineer

Stowk, Inc.

03/2017 - 05/2018

Berkeley, CA

- Built and maintained the front end of the web and cross-platform mobile apps using React, React Native, and Redux
- Developed shipment progress dashboard, facial recognition check-in, Trello-like dashboard, and other core app features
- Created large, responsive, and reusable React and React Native components, tested with Jest, Enzyme, and TestCafe
- Designed, updated, and tested API calls with GraphQL, MongoDB, Node.js, and Postman

### Full Stack Developer (Contract)

Devil's Advocate

12/2017 - 03/2018

Berkeley, CA

- Created website from scratch with blog and survey
- Automated calculation of survey scores, adding hundreds of members to a MailChimp list, and updating subscriptions using MailChimp and Google Sheets APIs with Node.js/Express
- Deployed to Ubuntu VPS and managed with PM2

### Front End Web Developer

Registria

08/2016 - 07/2017

Mountain View, CA

- Created Liquefy, a Liquid language filtering web app, using React for non-technical staff, marketers, and clients
- Built customized product registration web applications
- Implemented features in JavaScript such as locale switchers, input validation, IP detection, and autocompletes
- Updated company's web application template to fix recurring issues and increase implementation workflow efficiency

## TECHNICAL SKILLS

### Languages & Databases

HTML5, CSS3, JavaScript, Python, Java, SQL, SOQL, Apex, PostgreSQL, MongoDB, Salesforce

### Frameworks & Libraries

React, React Native, Angular, Redux, Node.js, Express, Rails, Django, jQuery, Next.js

### Miscellaneous Tools, Managers & Preprocessors

SASS, LESS, Grunt, Gulp, webpack, npm, Yarn, pip, Postman, Git, GitHub, PM2, DigitalOcean, Heroku

### Testing Frameworks & Tools

Jest, Enzyme, TestCafe, unittest, JUnit

## PERSONAL PROJECTS

### Discord Stop Bot

06/2017 - Present

- A message moderation bot for Discord that automatically stops spam, profanity, and other unwanted messages, especially in large servers. It was developed with Node.js, Express, PostgreSQL, and Discord.js. Managed with PM2 on VPS. It is active in over 2,400 Discord servers with over 95,000 users.

### Liquefy Web App

08/2016 - 09/2016

- Liquefy is a Liquid language filtering app, made for non-technical staff and marketers, created with React. The user can input any block of code with Liquid templating, and it'll filter it for the Liquid snippets. The results are searchable by Liquid tags.

### Oasis: 2D Java Game

02/2018 - 03/2018

- Dungeon crawler-like game, where player moves around randomly generated maps trying to find the key to the door while trying to survive by collecting water and extra lives. Game is complete with audio and ability to save high scores by name.

### Python Role Management Bot

04/2018 - 06/2018

- Discord bot for role management, where reactions to messages are converted to roles. Users can react to and un-react to a message to have a self-assignable role added to their user. They can also use certain reacts (emojis) to clear all their accessible roles.

### Self-hosted Referobot

12/2017 - 01/2018

- Created for referral-based Discord servers using Node.js, Express, ES6/Babel. Displays top 10 referrers, user's number of invites and number left until next rank. Auto-updates referrer rank (Discord role) when a set number of invites is reached.

### CS Career Hackers Site

02/2018 - 02/2018

- Revamped and redesigned website, rebuilt from scratch using HTML, CSS, and JS with Jekyll structure and Liquid templating. It was also optimized to be mobile-friendly and a Discord integration was added. @cscareerhackers.org

### WDD Handbook

02/2018 - 04/2018

- Created website to hold design and programming handbooks that were supplementary to the WDD class at UC Berkeley. Designed and developed website using the Jekyll structure, Liquid templating, HTML, CSS, and JS. @handbook.wdd.io