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## KIRBY WALLS

<http://www.github.com/kjswalls>

<http://www.kjswalls.com>

### EMPLOYMENT

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**Associate Software Engineer (Front End)**      **ZapLabs**      **Sept 2017 - Present**

CRM for real estate agents, consumer-facing websites for major real estate brands

- Created a self-management console for the ZapLeads SEM program, drastically reducing support calls by creating stateful modals for customers to edit their campaign details.
- Integrated Split.io as a company-wide A/B testing tool, increasing all teams' agility by creating native Web Components for engineers to use in implementing A/B tests.
- Rebuilt pixel ad-tracking for coldwellbanker.com, century21.com, era.com, and bhgre.com, decreasing development complexity by implementing reusable native Web Components for pixel tracking.
- Leveraged knowledge in ES6 JavaScript, HTML, CSS, Sass, Handlebars, Web Components, jQuery, Git, npm, Cypress, Mocha, Chai, and debugged using Chrome Developer Tools.

**Frontend Engineer (Part Time)**      **Foxfeather Software**      **Aug 2015 – Sept 2017**

- Designed and developed a web application to eliminate manual student ID lookups by allowing UC Berkeley staff to scan students' IDs to link with their meal plan cards.
- Developed a web application to replace paper sign-in sheets by allowing front desk staff to create, print, and track building visitor badges.
- Leveraged knowledge in JavaScript, jQuery, HTML, CSS, and Photoshop.

### SOFTWARE PROJECTS

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**Personal website:** [www.kjswalls.com](http://www.kjswalls.com) (for additional information and projects)

#### Node.js Slack Bot

- Developed a Slack app in Node.js that allows teams to assign engineers as on call for monolith release nights, with automatic assignment and integrated reminders.
- Designed RESTful backend server with Express.js to communicate with Slack.
- Utilized MongoDB (via Mongoose ODM) for persistent data storage of engineers, releases, and reminders.
- Created logic for users to assign engineers and create/edit releases via GUI buttons and Slack messages or via direct command parsing from Slack.
- Utilized: Node, Express, MongoDB, Mongoose, Moment.js, Now, Git

#### JavaScript Tic-Tac-Toe

- Developed a web application for playing tic tac toe with local multiplayer (play with someone next to you), online multiplayer, and vs AI (single player vs the computer) modes.
- Implemented a recursive "minimax" algorithm in JavaScript to create an AI opponent with 3 selectable levels of difficulty.
- Created an online chat module for the multiplayer mode using Socket.io for WebSocket connections.
- Utilized: JavaScript, jQuery, AJAX, HTML, CSS, Node, Express, Socket.io, Heroku, Git, Sketch

### EDUCATION

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**Pueblo, CO**      **Colorado State University - Pueblo**      **Fall 2009 – May 2013**

- B.A. in English and Psychology, May 2013. GPA: 3.75, Magna Cum Laude.

**edX.org (MOOC platform)**      **Harvard University**      **Fall 2016**

- [CS50x – Introduction to Computer Science](#), Verified Certificate.

### TECHNICAL SKILLS

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- JavaScript, ES6 +, HTML, CSS, Sass, Node.js, Web Components, React, Webpack, Handlebars, Pug, Git, Cypress