PETER A. **WEINBERG**

Portfolio: peterweinberg.me   **LinkedIn:** in/peter-weinberg-b7911a9b/   **Github:** github.com/no-stack-dub-sack

I am a self-taught software engineer who is passionate about programming and learning new technologies. I spend every spare minute that I have coding, and am eager to bring that zeal to a company that is as passionate about technology as I am.

LANGUAGES & TECHNOLOGIES

Proficient: JavaScript/ES6, ReactJS, Redux, React-Redux, HTML5, CSS3, Sass, Git, Webpack, Babel
Exposure: NodeJS/Express, MongoDB, Jest, Chai, Enzyme, Mocha, Babel, basic Linux commands

EXPERIENCE

The freeCodeCamp Alumni Network { Live, Code, Medium }   **Mar 2017 – Present**
Lead Developer / Project Manager
The freeCodeCamp Alumni Network is a mentorship driven social network for members of the online-learning and programming community freeCodeCamp. This project aims to break down the challenges of seeking programming mentors, and to encourage cross-collaboration on open source projects. ***NOTE****: If you are interested in taking a tour of the app, please let me know and I can provide test credentials!*

- Architected and designed a full-stack single-page JavaScript application using the MERN (Mongo, Express, React, Node) technology stack.
- Post release, our app grew from 0-150 users in 30 days, and eventually hit 200 within a few months.
- Acted as project manager and lead developer of a small team of 4, drove development using an agile like methodology, and took full responsibility for design and architecture choices.
- Developed over 90% of the UI, using ReactJS, Redux & React-Redux for global state management, React-Router for client-side routing, React-Screen-Size for complex responsive design, Sass, and Styled-Components for custom and conditionally rendered CSS-in-JS styling.
- Setup the database, developed the user model, and wrote several Node/ExpressJS API endpoints to carry out CRUD actions with Mongoose/MongoDB.
- Developed thorough, and easy to understand contribution guidelines and documentation.
- Deployed the application to beta using Heroku and held a round of manual testing with volunteer users before releasing the application in to production.
- Actively maintain the Github repo, including monitoring issues, pull-requests, and feature requests.

Technologies: ReactJS, Redux, React-Redux, Redux-Thunk, React-Router, NodeJS, ExpressJS, Styled-Components, Semantic-UI, PassportJS, Jest, MongoDB, Mongoose, Axios, Babel, Webpack, ESLint, Docker, Sass

freeCodeCamp   **2016 - 2017**
Software Engineer, Core Team
freeCodeCamp (FCC) is an Open Source & nonprofit interactive web dev learning Platform. As part of the Core Team, I spearheaded and played an integral role in the completion of the following projects as a part of FCC's massive curriculum expansion, which will soon be rolled out to our over 350,000 monthly active users.
Interactive frontend TDD style test suites { Live, Code }
This project takes the guesswork out of measuring the completion of several FCC "checkpoint" projects, and provides students with real-time, actionable feedback as they code, and pass or fail a suite of test cases.

- Spearheaded development, leading a team of 3 engineers to the projects completion.
- Developed 10 full test suites, and wrote over 120 tests using Mocha and Chai.
- Devised a bundling & CDN loading system to add the suite to any project as a standalone script.
- Developed a simple, non-invasive UI "harness" for the tests. The UI sits on top of the FCC projects, so that students can select a suite, run it, and view the results, without writing any code.
 Technologies: JavaScript, Mocha, Chai, CSS, HTML5, Webpack, GitCDN

React, Redux & React-Redux Curriculum { Live, Code }

- As part of the curriculum expansion, FCC is introducing a series of React and Redux challenges.
- Working in a team of two, we developed over 75 interactive challenges, devising a way to live-render and test user-written React and ES6 code using Babel and AirBnB's Enzyme in the browser.
 Technologies: ReactJS, Redux, React-Redux, Enzyme, Babel

Other Contributions

- Developed several example projects for the Frontend Libraries curriculum, including Conway's Game of Life, a Pomodoro Clock, a simple JavaScript Calculator, a Markdown Viewer, a Drum Machine, etc.
- Developed a series of challenges for the Basic Data Structures section of the JS Algorithms & Data Structures section of the curriculum.
- Regularly monitor issues & PRs, and as one of the top 25 contributors in 2017, contributed several bug fixes, new challenges, React components, etc.

PROJECTS
Battleship-CLI { [NPM](#)**,** [Code](#) **}**
- Using OO ES6, developed a simple NodeJS command line implementation of the classic 2-player game.
- Created an AI algorithm with several levels of difficulty settings, the hardest of which closely mimics a human's strategy and gameplay techniques. Developed simple tests to test outcomes and edge cases.
- Using InquirerJS, developed a series of command prompts to smoothly guide players through settings, ship placement, and gameplay.
- Deployed code as NPM module. Install using `npm i -g battleship-cli`, then run `battleship`.

Technologies: NodeJS, JavaScript/ES6, Jest, InquirerJS, ChalkJS, Clui, Figlet

CS-Playground-React (Algorithms & Data Structures) { [Live](#)**,** [Code](#)**,** [Medium](#) **}**
- Using CodeMirror to embed an editor, and a function to hijack and display console output, created a static, in-browser REPL for practicing and reviewing common CS data structures and sorting algorithms.
- Covers algorithms and data structures such as Quicksort, Mergesort, Heap Sort, Insertion Sort, Linked Lists, Binary Search Trees, Queues, Stacks, etc.
- Developed once using vanilla JS, HTML, and CSS, then redeveloped using React and Redux.

Technologies: ReactJS, Redux, React-Redux, JavaScript/ES6, CodeMirror, React-CodeMirror

OTHER EXPERIENCE
FactSet Research Systems, Inc. | Norwalk, CT   **Dec 2016 - Present**
Recruiting Specialist
FactSet Research Systems is a publicly traded, multi-national fin-tech software company.
- Conduct full life-cycle recruitment for a variety of technical and techno-functional roles, including software engineers, infrastructure engineers, DBAs, product developers, QA analysts, and more.
- Utilize strong communication skills to conduct candidate interviews and work with senior business leaders on requisition planning and hiring decisions.

EDUCATION
Rhode Island College | Providence, RI
BA, Public & Professional Communication, 2011

Continued Previous Experience and References Available Upon Request