

Jonathan Cannon

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Skills

Strong: React, Redux, Express, Node, NPM, Git, Sequelize ORM, PostgreSQL
Experience: AWS (EC2, S3, Route 53), Webpack, TDD (Mocha/Chai), D3, CI/CD (Travis), Bash scripting, Linux, Adaptive/Responsive design, Heroku, site performance optimization, socket.io, REST APIs

Education

University of Chicago- Honors Bachelor of Arts in Political Science, 2009

Experience

Projects:

Redux Genie [NPM](#) | [Docs](#) | [Codebase](#)

- Published NPM library with extensive readme, man entry, and project website, [redux-genie.net](#)
- Node.js command line developer tool that automates writing and managing Redux store boilerplate code. Generates a complete and valid Redux store with CRUD methods from user yaml template. Injects code into the existing store from CLI
- Designed and implemented global command line methods for user
- Designed and implemented diffing process to compare and generate updates from yaml file
- Implemented asynchronous Mocha/Chai testing process to simulate a series of command line inputs to the program and validate resulting Redux store
- Project website implements responsive, mobile-first design
- Scheduled to present at React NYC May 23, 2019
- Completed during Software Engineering Immersive at Fullstack Academy, 12/2018-3/2019

Concept Parser [Deployed Site](#) | [Codebase](#)

- React app utilizing a D3 component library (react-force-graph), Express/PostgreSQL backend
- Deployed to AWS EC2 Linux machine utilizing PM2 for continuous delivery
- Data visualization tool to render concepts contained within texts as a 3D network graph which can be analyzed, manipulated, and queried
- Utilized natural language library to parse and tokenize large texts
- Deployed site displays Hegel's "Science of Logic," which yielded 5000 concept nodes and 350,000 edges.
- Adaptive/responsive design implemented through Webpack code splitting and media queries
- Completed during Software Engineering Immersive at Fullstack Academy, 12/2018-3/2019

[joncannon.codes](#) [Codebase](#)

- React app utilizing D3 component library, deployed to AWS S3
- Researched and implemented responses to user feedback, as well as techniques to optimize page load. Migrated deployment from AWS EC2 to S3, implemented asynchronous code splitting utilizing React.lazy, React Suspense API, and Webpack.
- Successfully reduced initial page load from 8 seconds to ~1 second

nodeLOM [Codebase](#)

- Open source library for music producers using Ableton Live
- Driver to connect an Ableton Live session to Node.js server in real-time, utilizing socket.io and Max/MSP's internal javascript object. Exposes Live's REST and observer API to web applications.
- Designed and implemented "jQuery style" library for Live API to streamline manipulating Ableton Live session
- Designed and implemented asynchronous method to scrape data for entire Live session
- Library included in Max/MSP's example github [repo](#), starred by developers on four continents

Paralegal at Fragomen, Del Rey, Bernsen & Loewy, LLP

New York, NY

11/2014 – 6/2018

- Extensive legal writing duties at global immigration firm, including drafting and submitting O-1 and EB1-1 extraordinary ability visa petitions for high profile clients such as Hollywood A-List Actresses and Fortune 100 C-suite executives.
- Automated legal writing process through form templating in Excel/Microsoft Word.