

Languages & Frameworks

JavaScript, Ruby, BASH. React.js, Redux, Node.js, Express.js, Ruby on Rails. HTML5, CSS3, SQL, MongoDB. 10 years Debian Linux, servers & SBCs.

Educational Institutions

App Academy | San Francisco, California

November 2019

Computer Science bootcamp; Full-Stack Web Development, Algorithms, Data Structures, Object-Oriented Programming, Test-Driven Development.

Wesleyan University | Middletown, Connecticut

May 2012

BA in Latin American Studies; advanced coursework in Spanish Language, Philosophy, and Astronomy.

Semester Abroad in Buenos Aires; Spanish immersion program with classes at the local universities UBA and UCA, and an NGO internship.

Technical Projects

transitYourself - Live vehicle tracking and arrival times for every transit agency with GPS in the Bay Area. A single-page React app. [Live](#) | [Github](#)

- Developed an efficient custom search function to handle thousands of stop objects, anticipating user input for clean and rapid results.
- Accessed the Google Cloud API to generate and display accurate embedded maps, providing the user with geographic context.
- Engineered extensible React components to facilitate display of multiple different agencies and reporting formats.
- Incorporated the 511.org open data API with sensible defaults to intelligently assume and infill incomplete transit data.

nurdCamp - A clone of the music site, Bandcamp - A full-stack single-page React/Redux app with a backend of Ruby on Rails. [Live](#) | [Github](#)

- Employed Jbuilder to modulate the JSON sent by the Rails backend, pre-flattening the application state for the Redux store.
- Designed a smart index which actively maps and filters the artists array, selectively rendering pertinent information to inform the user.
- Created a predictive search bar within React's render method - frontend logic matches partial patterns.
- Mimicked the styling of the official Bandcamp website through painstaking CSS inspection and manipulation.

hyenaHum - Controlling the HTML5 WebAudioAPI via JavaScript's native DOM methods and Object Oriented capabilities. [Live](#) | [Github](#)

- Designed intuitive HTML elements for media control and display, replacing the default audio player with a custom UI.
- Refactored audio code into a class, facilitating extensibility and DOM manipulation through native JavaScript's document.getElementById*.
- Integrated the WebAudioAPI to mix and master multiple tracks and sources, including programmatically generated background noise.

Outfitter - An original concept; our group devised and built a wardrobe tracking and outfit generating app. MERN stack. [Live](#) | [Github](#)

- Personally managed and engineered the majority of the site and its features, delegated tasks to a team of four.
- Collaboratively designed and implemented extensible, modular React components, used by team members to build out other features.
- Leveraged advanced React lifecycle methods to conditionally re-render, allowing for an accurately updating display and seamless UX.
- Designed a live filter for flexibility and extensibility, boolean logic filters the props array to only display items matching user input.

Employment Experience

Law Office Assistant

August 2014 - May 2019

Wahrhaftig Law Offices: Oakland, CA; KJH Family Law: Richmond, CA

- Supported Legal and Clerical needs. Managed IT tasks: Digitalization, archiving, data integrity & security, backup & web servers.
- Catalogued over 150 years of files, leveraged OCR and BASH scripting to incorporate data from obsolete typewritten records.

Academic Tutor - Mathematics, Foreign Languages, Multimedia

January 2011 - May 2014

Berkeley, CA; Middletown, CT; Brooklyn, NY

- Instructed preparatory coursework in mathematics to disadvantaged public school students for the SAT and the NYS Core Test.
- Also taught foreign languages, English language literacy, digital multimedia, and other subjects.

Donor Relations Intern

July 2010 - December 2010

HelpArgentina NGO: Buenos Aires, Argentina

- Coordinated network of hundreds of charities and their transparency documentation.
- Responsibilities included digitalization and publication, as well as onsite technical support - all business conducted in Spanish.