Samuel Hecht San Francisco

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Languages & Frameworks

JavaScript, Ruby, BASH. React.js, Redux, Node.js, Express.js, Ruby on Rails, jQuery. HTML5, CSS3, SQL, MongoDB. Linux and Infrastructure.

Educational Institutions

App Academy | San Francisco, California   November 2019

Immersive course for full-stack web development; Algorithms, Data Structures, Object-Oriented Programming and 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, classes at the local universities UBA and UCA, and an internship at an NGO, HelpArgentina.

Technical Projects

transitYourself - Live vehicle tracking and arrival times for every transit agency with GPS in the Bay Area. 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.
- Refactored audio code into a class, facilitating extensibility and DOM manipulation through native JavaScript's document.getElementBy*.
- Integrated the WebAudioAPI to mix and master multiple tracks and sources, including programmatically generated background noise.

Outfittr - 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 a seamlessly updating display.
- 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, Clerical, and Logistical needs: Digitalization, Cataloging, Filing, Archiving, Technical Assistance.
- Organized over 150 years of files, leveraged OCR and BASH scripting to incorporate data from obsolete typewritten records.

Academic Tutor - Mathematics, Foreign Languages, Multimedia   October 2005 - 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.