# Samuel Hecht San Francisco

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[Portfolio](#)    [Linkedin](#)    [GitHub](#)

## 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.

## Education

**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 local universities UBA and UCA, internship at an NGO.

## Projects

**transitYourself** - Live vehicle tracking and arrival times for every GPS enabled transit agency in the Bay Area.       Live | Github

- Developed an efficient search function handling 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.

**infraRead** - Up-to-the-minute wildfire tracking displays multiple data sources cleanly and accessibly.

- Integrated hotspot detections from a NASA API for infrared camera satellites with GIS data for meaningful mapping and marking.
- Researched and accommodated government services to directly access critical time-sensitive information.

**Zoo-mmm** - Videoconferencing with a twist, delight your guests with lively entertainment.

- Utilized Twilio's Video WebRTC API for signalling and discovery, facilitating audio and video streaming over the WebRTC standard.

**nurdCamp** - A clone of the music site, Bandcamp. A React+Redux single-page app on a Ruby on Rails backend.       Live | Github

- Employed the Jbuilder formatter to modulate the JSON sent by the Rails backend, pre-flattening the application state for the Redux store.
- Replicated the styling of the official Bandcamp website through painstaking CSS inspection and manipulation.

**hyenaHum** - Exploring the HTML5 WebAudioAPI with 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.
- 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 on the MERN stack.       Live | Github

- Personally managed and engineered the majority of the site and its features, delegated tasks to a team of four.
- 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

**Law Office Assistant**                                        August 2014 - May 2019

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

- Legal, Clerical, and Technical Support, Office IT: 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.