

# JASON LIU

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## PROJECTS

**OnTap** (Rails, PostgreSQL, JavaScript, React, Redux) - [Live](#) | [Github](#)

*A single page app for sharing and rating beer inspired by UNTAPPD*

- Limit SQL queries to server by caching data on the front-end.
- Minimize number of AJAX requests, utilizing ActiveRecord, Rail's native ORM framework to display results by request params.
- Store images and user image uploads in the cloud using AWS S3 and Paperclip, allowing app to scale.
- Protect CRUD operations through back end user authentication.
- Streamline unidirectional data flow through RESTful JSON API on the Ruby on Rails backend, updating React components in real time.

**League of Numbers** (JavaScript, Rails, D3.js, jQuery) - [Live](#) | [Github](#)

*Interactive visualization of player stats rendered with D3.js*

- Aggregate statistics for each player by compiling data across multiple requests to the Riot API.
- Optimize load times by running batch API fetches regularly and storing dataset server-side.
- Create a visual experience for users by rendering different charts on interaction, and making specific AJAX requests on user input.

**ThunderDOM** (JavaScript) - [Demo](#) | [Github](#)

*Lightweight library for DOM manipulation and AJAX requests*

- Abstracts browser DOM API into JavaScript objects for intuitive traversal and manipulation of HTML elements.
- Easily remove event handlers by storing event handler callback functions on the DOM node.
- Built Thundernews using ThunderDOM to create DOM elements, assign event handlers, and make AJAX requests.

## SKILLS

Ruby	Rails	JavaScript	React.js	Redux
ES6	Git	HTML5	CSS3	SQL
	Rspec	jQuery	AWS S3	

## EDUCATION

**App Academy** February 2017 – May 2017  
Full Stack Programming New York, New York

**Rensselaer Polytechnic Institute** September 2007 – May 2011  
Business Management Troy, New York

## WORK

**Recruitment Coordinator** March 2013 – May 2016  
*Community Blood Services* Montvale, New Jersey

- Implemented HemaConnect CRM Application, tracking progress ensuring project milestones and launch deadlines were met with desired results.
- Created donor clubs, increasing donor retention by 30%.
- Managed and tracked donor email campaigns, targeting specific donor demographics by writing SQL based reports.