Steven Lum

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SKILLS

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Redux, SQL, Git, HTML5, CSS3

EDUCATION

App Academy - Immersive software development course with focus on full stack web development (Summer 2018)
San Francisco State University - *BS - Computer Science, GPA: 3.81*   (Spring 2017)

PROJECTS

Disgo (React.js, Redux, Ruby, Rails, Postgres**)**   Live Site | Github
A single page interactive chat application inspired by Discord

- Created live chat feature using Rails ActionCable (WebSockets) to provide immediate feedback to subscribed users via messages and online status
- Integrated Rails ActiveStorage with Amazon S3 to host and serve user-uploaded content
- Implemented user authentication using BCrypt, allowing for private chatrooms and redirection based on custom authentication requirements
- Used CSS alongside ReactCSSTransitions to create hover and click effects and smooth transitioning of elements, providing a great user experience

Viral Canvas (JavaScript, Webpack, Paper.js)   Live Site | Github
A simulation of how quickly an infection spreads

- Optimized performance by refactoring the distance calculation and adding a grid system used in collision detection
- Created custom settings feature and a stats display to provide user interaction and feedback
- Implemented custom checks to prevent users from inputting invalid values

Watchie (MongoDB, Express, React, Node.js)   Live Site | Github
A time management application with mobile-first design

- Responsive design using a combination of MaterialUI and CSS media queries
- Implemented push notifications using Push, Notifications, and Service Worker APIs
- Incorporated Google Maps API to give a visual representation of location history

EXPERIENCE

Public Service Aide
San Francisco Public Utilities Commission, June 2017 - June 2018

- Held sole responsibility of school lead testing information spreadsheet, updating daily and providing bi-weekly reports to be used in press conferences and internal meetings
- Wrote detailed user experience enhancement and bug reports to developing applications, allowing for seamless, bug-free releases
- Provided basic IT support around the office such as monitor configuration, phone troubleshooting, and desktop support

Teaching Assistant
San Francisco State University, Feb 2016 - May 2017

- Tutored 100+ students through email and office hours to accelerate their learning growth
- Graded homework and exams and uploaded scores to SFSU website on a strict time deadline
- Administered exams during professor's absence