

Elson Li

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San Francisco, SF

[Portfolio](#)

[Linkedin](#)

[GitHub](#)

Skills

React.js , Redux , JavaScript , HTML5 , CSS3 , Ruby , RSpec , Ruby on Rails , jQuery , SQL , PostgreSQL , AWS , Heroku , Webpack , MongoDB , Express.js , Java , Node.js , Git

Projects

A Lull in the Museum

[live site](#) | [github](#)

Ruby , Ruby on Rails , React.js , Redux , AWS , Heroku , AJAX , JavaScript , CSS3 , Webpack

A single-page teamLab Borderless clone where users can explore, favorite, and comment on various artworks

- Ensured user privacy through frontend and backend authentication measures, password encryption through bcrypt to decrease security vulnerabilities, and React Router for the implementation of authorized features
- Created custom modals using React component architecture, enabling efficient rendering of forms
- Utilized the unidirectional state management of Redux to directly handle data for form inputs submissions, simplifying related React components in the process
- Optimized database usage by observing server logs and prefetching records to eliminate N + 1 queries, ultimately reducing response time and allowing for scalability
- Connected the Rails backend to AWS S3 for media storage and organization while simultaneously reducing server load and maintaining content security with AWS IAM

Wrapdis

[live site](#) | [github](#)

HTML5 , JavaScript , CSS3 , Webpack

A fully interactive JavaScript and HTML5 Canvas game based on the classic tile-matching puzzle game Tetris

- Applied HTML5 Canvas and animation frames to provide a seamless gaming experience
- Implemented collision detection for binary-encoded puzzle pieces integrated with keystroke event listeners to rotate, move, and drop pieces onto the game canvas
- Bundled files with Webpack and transpiled ES6 to ES5 through Babel to ensure consistent user experiences across web browsers

Experience

Computer Science Academic Intern | August 2017 - August 2018

University of California, Berkeley

- Facilitated the learning of 90-100 students through assignments and projects to internalize core concepts
- Identified individual weaknesses and tailored teaching methods specific to each student

Program Coordinator Assistant | August 2008 - January 2015

Ulloa Elementary School, San Francisco

- Assisted staff with supervising 100+ students and coordinating school-wide events to spark new interests
- Used time management skills to reorganize schedules, resulting in >80% event satisfaction based on surveys

Education

App Academy | Winter 2020 | San Francisco, SF

1000-hour immersive full-stack web and software development course

University of California, Berkeley | Spring 2019 | Berkeley, CA

Bachelor of Arts in Cognitive Science

- Relevant Coursework: Data Structures & Programming Methodology, Discrete Mathematics & Probability Theory, Principles & Techniques of Data Science, Artificial Intelligence Intro, Algorithms & Intractable Problems