

# EDWARD LU

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## PORTFOLIO

**seQuoia** | (React/Redux, Rails 5)

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

*Quora-inspired question-and-answer website*

- Manages retrieval of data using AJAX requests to a database handled by a Rails backend.
- Uses React/Redux to instantly render question and answer submission.
- Contains user authentication system to handle logins and new user registration.

**Legend of Schmelda** | (JavaScript, HTML5)

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

*Tribute to classic 2D Zelda games*

- Uses Canvas to render sprite animations, main game area, and information panel.
- Utilizes event listeners to translate user input into on-screen actions.

**Chess** | (Ruby)

[github](#)

*Recreation of classic board game*

- Uses object-oriented programming in order to generate components of a chess game.

## SKILLS

Ruby - Rails - JavaScript - React/ Redux - jQuery - HTML - RSpec - SQL - Git

## EXPERIENCE

**Research Technician**

2017 - 2018

*Cold Spring Harbor Laboratory*

- Carried out rodent behavioral studies and used MATLAB to plot psychometric curves.
- Ordered laboratory supplies and ensured proper functioning of laboratory equipment.

**Research Assistant**

2014 - 2016

*Oxford Performance Materials, Inc.*

- Planned and carried out a study to observe the effects of polymers on bone growth.
- Developed and refined experimental procedures and authored formal protocols.
- Collected, analyzed, and presented data to research team members.

## EDUCATION

**App Academy**

2018

*1000-hour full-stack web development course*

*Topics: Rails, SQL, JS, React, TDD, algorithms, design patterns, programming best practices*

**Cornell University**

2012 - 2014

*MEng in Biomedical Engineering*

**Washington University in St. Louis**

2006 - 2010

*BA in Biology*