

EDWARD LU

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[LinkedIn](#) | [Github](#) | [Website](#)

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 Jbuilder to organize data sent from the database in order to normalize Redux state.
- Includes a search feature that uses an onkey event listener to continuously filter and return results as a query is being typed.

Legend of Schmelda | (JavaScript, HTML5 Canvas)

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

Tribute to classic 2D Zelda games

- Dynamically renders sprite animations, game window, and info panel using Canvas.
- Translates user input into on-screen actions using event listeners.
- Continuously updates and draws in-game objects using a game loop.

Chess | (Ruby)

[github](#)

Console-based version of famous board game

- Creates and handles pieces and logic using object-oriented programming principles.
 - Implements piece movement with class inheritance and modules to keep code DRY.
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SKILLS

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

PROFESSIONAL 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.
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EDUCATION

App Academy

2018

1000-hour full-stack web development course with <3% acceptance rate

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