

EDWARD LU

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

PORTFOLIO

seQuoia | (React/Redux, Ruby on Rails)

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

Quora-inspired question-and-answer website

- Manages retrieval of data using AJAX requests to a database handled by a Rails backend.
- Allows users to upload images which are stored and retrieved via AWS.
- 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](#)

Tribute to classic 2D Zelda games

- 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 - AWS - HTML - RSpec - Git

PROFESSIONAL EXPERIENCE

Software Developer

2018

Waterlink America

- Used React and HTML to create a [website](#) to display information about the company.

Research Technician

2017 - 2018

Cold Spring Harbor Laboratory

- Carried out rodent behavioral studies and used MATLAB to plot psychometric curves.

Research Assistant

2014 - 2016

Oxford Performance Materials, Inc.

- Developed, refined, and performed experimental procedures.
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EDUCATION

App Academy

2018

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

Topics: Rails, SQL, JavaScript, React, test-driven development, algorithms, design patterns

Cornell University

2012 - 2014

MEng, Biomedical Engineering

Washington University in St. Louis

2006 - 2010

BA, Biology