

# EDWARD LU

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

## SKILLS

React/Redux - JavaScript - Ruby - Rails - SQL - AWS - HTML/CSS - RSpec - Git - MATLAB

## EDUCATION

### App Academy

2018

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

Topics: Ruby, Rails, JavaScript, React, HTML, CSS, SQL, Git, test-driven development, algorithms

### Cornell University

2012 - 2014

MEng, Biomedical Engineering

### Washington University in St. Louis

2006 - 2010

BA, Biology

## PORTFOLIO

### seQuoia | (React/Redux, Ruby on Rails)

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

Quora-inspired question-and-answer website

- Utilized React components and asynchronous functions to update the user interface and retrieve data in real-time as questions and answers are posted, updated, and deleted.
- Enabled image upload via cloud storage using AWS to conserve space in Postgres database and guarantee scalability of the app.
- Integrated a search feature that uses an on-key event listener to continuously filter and return results as a query is being typed.
- Improved user browsing experience through the design of a topic-filtering system that dynamically updates state and renders the user's feed according to their subscribed topics.

### Legend of Schmelda | (JavaScript, HTML5 Canvas)

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

Tribute to classic 2D Zelda games

- Engineered game logic using object-oriented programming to manage game state and interactions between players, enemies, and environment.
- Created custom background using GIMP and conditionally rendered sprite animations, game information, and game window using Canvas.
- Designed game loop that continuously draws and updates the state of all objects based on event listeners that register player actions and environment interactions.

## PROFESSIONAL EXPERIENCE

### Software Developer

2019

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.