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.

SKILLS

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

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PROFESSIONAL EXPERIENCE

Website Designer | *(JavaScript, HTML)*   **live** | **github**
Waterlink America
- Uses JavaScript and HTML to create a static webpage to display information about the company and its services.

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 with <3% acceptance rate

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

Cornell University   2012 - 2014
MEng in Biomedical Engineering

Washington University in St. Louis   2006 - 2010
BA in Biology