Jessica Yao

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GitHub · LinkedIn · Website

Projects

Ripple (Ruby on Rails, React/Flux)   Link · GitHub

A fundraising app built with RESTful Rails backend and React/Flux frontend

- Designed custom SQL queries to optimize response time
- Implements Twitter API in embedded timeline displaying tweets
- Allows for scaling by integrating AWS to handle large volumes of image uploads

Beginner's Piano (JavaScript, jQuery, React/Flux)   Link · GitHub

Browser-based game that teaches simple piano songs built using React/Flux

- Incorporates a recorder using object-oriented programming to store note data
- Produces sound using AudioContext objects to allow for notes with different wave forms

Wrapper (Javascript)   GitHub

A lightweight library using the native Web API to generate objects for efficient DOM interaction

- Streamlines DOM manipulation/traversal and makes seamless AJAX requests

Skills

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Flux, SQL, Git, HTML5, CSS3

Education

UNIVERSITY OF ROCHESTER (May 2010 – Dec 2013)

B.S. in Biochemistry

- **GPA 3.77/4.0**, Dean's List 7 of 7 eligible semesters, Graduated Cum Laude
- Sigma Psi Zeta Sorority, Inc.'s Vice President and JSA's Department Liaison

APP ACADEMY (Feb 2016 – April 2016)

Web development

- Rigorous 12 week web development course with a 3% acceptance rate & weekly tests
- Curriculum includes TDD, algorithms, single-page apps, OOP, and pair-programming

Work History

REGENERON PHARMACEUTICALS, INC. (Fall 2008 – Summer 2014)

Research Assistant

- Won the Future of Medicine Award
- Contributed to the development of a pharmaceutical drug through weekly brainstorms
- Presented research on genetic engineering to >100 people at science & engineering fairs