Jeffrey Du

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 Github   LinkedIn   Portfolio

PROJECTS

Dab Genius | Full stack | [Live](#) | [Github](#)

Single page web application inspired by Rap Genius. Built on Ruby on Rails, Facebook's React.js with Redux and styled with CSS3.

- Established ability for users to annotate lyrics of songs using RESTful API.
- Ability to upvote/downvote and comment on those annotations with real-time feedback to the user.
- Implemented back end user authentication using Ruby's BCrypt gem, with the alternative to register using Facebook via OmniAuth.
- Formulated search algorithm for instant access to individual songs.
- Incorporated Paperclip gem and Amazon Web Services to allow for scaling of the application and reducing server load time as users add their own contributions to the website.

Sea No Evil | [Live](#) | [Github](#)

Browser game written using JavaScript, HTML5's Canvas API and CSS3.

- Developed own algorithms for determining physics logic of movement as the user plays.
- Utilized Canvas to produce fluid animation.
- Incorporated Keymaster library for an interactive user experience.

FreeDOM | [Github](#)

JavaScript Document Object Model (DOM) Manipulation Library.

- Devised methods using native DOM elements to allow users to efficiently and easily manipulate elements on a web application.
- Implemented ability to create AJAX requests; users are able to fetch and send data asynchronously with FreeDOM.

SKILLS

JavaScript	Ruby
Rails	SQL
CSS3	HTML5
PostgreSQL	React
Redux	jQuery
AWS	Git
RSpec	

Education

Cornell University, Ithaca, NY — *Bachelor of Science in Animal Sciences*
May 2016 GPA: 3.325

App Academy, New York, NY October 2016

Intensive 1000-hour full stack web development course with emphasis on pair programming and the most recent popular technologies.

Experience

North Shore LIJ Health System, New York, NY
June 2015 - August 2015

Research Intern: Performed PCR to allow for genetic data analysis via Western Blot for Alzheimer's disease research.