

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.

- Implemented back end user authentication using Ruby's BCrypt gem, with the alternative to register using Facebook via OmniAuth.
- 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.
- 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.
- Formulated search algorithm for instant access to individual songs.

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

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

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

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.

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.