Jeffrey Du

Software Developer

Github LinkedIn Portfolio

516.780.3003
jd479@cornell.edu

Skills

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

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.

- Ability to upvote/downvote and comment on user created annotations with real-time feedback to the user via RESTful API.
- 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 songs in database.
- Incorporated Paperclip gem and Amazon Web Services to allow for scaling of the application and reducing server load time.

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.
- Incorporated Keymaster library for an interactive user experience.

FreeDOM | Github

JavaScript Document Object Model (DOM) Manipulation Library.

- Created 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.

Education

Cornell University | Ithaca, NY
B.S. Animal Sciences | May 2016 | 3.325

App Academy | New York, NY
Intensive 1000-hour full stack web development course with < 3% acceptance rate.

Experience

Jumpstart Instructor | **App Academy** | New York, NY   November 2016 - Present
Teach programming fundamentals to hundreds of students getting their first introduction to software development.