

# Jeffrey Du

261 Procop Avenue  
Jericho, NY 11753

(516)-780-3003  
jd479@cornell.edu

 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.

## SKILLS

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

## 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.