

# Jeffrey Du

## Software Developer

---

 Github  LinkedIn  Portfolio

516.780.3003  
[jd479@cornell.edu](mailto: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, React.js with Redux and styled with CSS3.

- Implemented ability to upvote/downvote and comment on user created annotations with real-time feedback to the user via RESTful API.
- Established 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, 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.
- Incorporated HTML Canvas to produce smooth animation of characters during gameplay.

#### 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.

