

# Rowan Littlefield

[Github](#) [LinkedIn](#)

Phone: 386-338-1548 rowanlittlefield@gmail.com



22 W 38th St, New York, NY 10018

## SKILLS

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Redux, SQL, Git, HTML5, CSS3

## PROJECTS

### Eutewbz (Rails, PostgreSQL, React, Redux)

[Live Site](#) | [Github](#)

*Eutewbz is a video-sharing, single page application inspired by YouTube.*

- Utilizes the ffmpeg library and Rails Active Storage library for video processing, manipulation and preview generation.
- Stores uploaded video and image files in the cloud via AWS S3, minimizing server load and improving app response time.
- Applies HTML5 video events and JavaScript event listeners to create custom video controls that can be stylized to resemble those used in the YouTube video player.
- Makes use of a polymorphic association linking likes to videos and comments in order to DRY up code (TO BE IMPLEMENTED)

### Emblem of Fire (JavaScript, HTML5 Canvas)

[\(insert here\)](#) | [Github](#)

*A browser game modeled after the 6th and 7th entries in the Fire Emblem Series.*

- Employs Dijkstra's algorithm for efficient unit pathfinding.
- Features custom sprite classes for rendering sprite sheets and animations.
- Includes multiple types of enemy unit AI behaviors to achieve varied and dynamic gameplay.

### Amazing Student

[Live Site](#) | [Github](#)

*This is a very short sentence about what your project does and the languages you used*

- Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.

## EDUCATION

### App Academy (Spring 2018)

- 1000-hour software development course with < 3% acceptance rate
- Topics include: TDD, OOP, coding style, scalability, algorithms, REST, security, single-page apps, and web development best practices.

### University of Wisconsin-Madison (Spring 2017)

*Chemistry Graduate Program*

### Stetson University (Spring 2016)

*BS - Chemistry with a minor in Physics*

## EXPERIENCE

### Research Assistant

*UW-Madison Chemistry Dept.*

Aug 2015 - May 2017

- Authored a patent detailing the [2+2]-cycloaddition of vinyl boronates with 1,3-dienes and styrenes

### Teaching Assistant

*UW-Madison Chemistry Dept.*

Aug 2015 - May 2017

- Taught courses including undergraduate Organic Chemistry I Recitation and Introductory Organic Chemistry Laboratory
- Formulated and gave lessons to reinforce what students learned in lecture
- Designed and graded lab reports, quizzes and exams