

# Edward Cheng

Phone: (626) 823-1110 Email: [edwardcheng148@gmail.com](mailto:edwardcheng148@gmail.com)

Personal Portfolio: [www.edwardcheng.io](http://www.edwardcheng.io)



---

## SKILLS

Ruby, Ruby on Rails, RSpec, JavaScript, React, Redux, SQL, Git, HTML5, CSS3, MongoDB, Express, Node, jQuery

## EDUCATION

**University of California, San Diego (UCSD)**

December 2013

**Bachelor of Science, Bioengineering: Biotechnology**

Cumulative GPA: 3.32

Upper Division GPA: 3.42

**App Academy**

March 2018

Immersive software development course with focus on full stack web development

## WORK SAMPLES

### Jukebox

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

A full stack music web application configured with a Ruby on Rails backend and a React/Redux frontend.

- Implemented Rails MVC architecture with PostgreSQL by incorporating RESTful web services that optimized database indexing.
- Designed React Components utilizing Redux to establish a unidirectional framework that increased the efficiency of rendering DOM elements.
- Integrated AWS enterprise cloud computing service to optimize and centralize data storage.
- Devised a REGEX algorithm that enhances the user interface by accelerating real time search and database queries.

### Bubble Stack

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

A modern adaptation of a classic game entirely built on JavaScript.

- Formulated a collision detection algorithm to seamlessly align collided objects onto a hidden grid.
- Utilized Object Oriented Programming with Webpack to manage JavaScript, HTML, and Canvas.
- Enhanced UI/UX by DRYing code by implementing a recursive algorithm to make the single page application design smooth and responsive to user inputs.

### Recruited

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

A job recruiting full stack web application implemented with an Express/Node js backend and a React/Redux frontend

- Engineered an Express application using a promise based API, Axios, and CRUD applications to help job recruiters seek out qualified candidates.
- Utilized MongoDB to create a non-relational database that incorporated a JSON based schema which increased the efficiency of database queries.
- Implemented React and Redux to dynamically maintain state while users navigate through the application.

## EXPERIENCE

### American Medical Response

EMT-Basic

February 2014 - November 2017

- Responded to over 2,500 medical emergencies and demonstrated the ability to adapt and respond decisively in a problematic situation.
- Displayed strong communication and interpersonal skills by providing patient care according to clinical protocols and safety requirements.
- Showed effective time management and organization skills as well as the ability to operate effectively as a team.