Ricky Zheng

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**一 Skills 一**

**JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku**

**一 Experience 一**

**Software Engineer - Projects**  | March 2020 - Present |

**♦ GroupRide**  | MongoDB , Express.js , React , Node.js , Webpack , GIMP  | [**live site**](https://groupride-aa.herokuapp.com/#/) | [**github**](https://github.com/LouisVelz/groupride)

*A team-based MERN stack application that allows Bikers to schedule and create ride events:*

* Utilized **React** and **Redux** to dynamically present information depending on current state allowing the user to login through modals and interact with event feeds.
* Lead frontend designs, providing creative and efficient inputs and enabling **RESTful** calls to be serviced for UI applications supporting data fetching from the client.
* Incorporated **Express**.**Js** to retrieve promises connecting stored data in **MongoDB** and using **React** to manage the current state allowing users to retrieve their session to either log in or sign up.

**♦ Jello**  | JavaScript , React / Redux , Ruby on Rails(RoR) , PostgreSQL , CSS3, Webpack | [**live site**](https://jelloz.herokuapp.com/) | [**github**](https://github.com/lordrickyz/Jello)

*A React and RoR Trello Clone - a collaboration tool that organizes your projects into boards similar to sticky notes..*

* Utilized **jbuilders** to establish connections between Rails and React by querying JSON using **AJAX** requests to allow **middlewares** to receive RESTful information to be sent to frontend and processed for rendering.
* Integrated **React Drag and Drop** library to **React UI** to allow swapping of content from list to another list.
* Leveraged **BCrypt Hashing** to secure user passwords from backend to frontend. Preventing malicious users from accessing actual passwords in the frontend. Session is stored in cookies, but nulls when a user logs out.

**♦ Bubble Pop**  | JavaScript , CSS3 , HTML5 , Heroku , Webpack  | [**live site**](https://lordrickyz.github.io/bubble-pop/) **|** [**github**](https://github.com/lordrickyz/bubble-pop)

*JavaScript game where users shoot bubbles to match other bubbles until board is cleared:*

* Implemented hexagonal collision algorithms in pure **JavaScript** to allow bubbles to snap onto a relative position on the board after colliding with either the top of the board or another bubble object.
* Incorporated **HTML5 canvas** for **UI design** of the game and rendition of game mechanics such as the bubble, the launcher, and the board.

**Life Insurance Agent**  |  **World Financial Group** | April 2019 - March 2020 |

* Provided financial education to clients that are looking forward to investing their future.
* Built and led training sessions of new software and procedures, allowing team members to be better agents.

**Communications Manager**  | **Railcare Health** | January 2017 - March 2019 |

* Fundraised and managed $3,000 in donations ensuring organization to be able to purchase a vehicle and assisted in modification of the vehicle as a mobile screening unit.
* Managed and connected relations with partners to authorize scheduling of events, providing health education events and screening.. Ensuring legal and proper protocols to enable successful first clinic launch.

**一 Education 一**

[**App Academy**](https://www.appacademy.io/) | Spring 2020 | New York, NY | 1500+ hour curriculum

## Immersive software development course with focus on full stack web development with < 3% acceptance rate

**University of North Carolina at Chapel Hill**  | Fall 2015 - Spring 2019 | Chapel Hill,, NC |

Bachelor of Science in Biology | Chemistry and Chinese Minor |