Ricky Zheng

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Skills

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

Projects

GroupRide | MongoDB , Express.js , React , Node.js , Webpack , GIMP | **live site** | **github**

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

- Uses **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.
- Incorporate **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** | **github**

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

- Using **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.
- Integrate **React Drag and Drop** library to **React UI** to allow swapping of content from list to another list.
- Leveraging **BCrypt hashing algorithm** to authenticate users, preventing unauthenticated users from accessing restricted pages.

Bubble Pop | JavaScript , CSS3 , HTML5 , Heroku , Webpack | **live site | github**

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

- Implement 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.
- Incorporate **HTML5 canvas** for **UI design** of the game and rendition of game mechanics such as the bubble, the launcher, and the board.

Experience

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 Chair | **Railcare Health** [**Non-Profit**] | 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.

Education

App Academy | 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 |