

Ricky Zheng

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New York, NY

[Portfolio](#)

[Linkedin](#)

[GitHub](#)

— Skills —

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

— Experience —

Software Engineer - Projects | March 2020 - Present |

◆ **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:

- 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](#) | [github](#)

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

- Utilized **builders** 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](#) | [github](#)

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.

— 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 |