Ricky Zheng

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Skills

Languages: JavaScript, Ruby / Ruby on Rails, R, Python, SQL
Database: PostgreSQL, SQLite3, MongoDB, Mongoose
Technologies and Frameworks: Rails, React, Redux, Node.js, Express.js, Webpack, jQuery, Git, Heroku, HTML, CSS, AWS

Projects

GroupRide | **MongoDB, Express.js, React, Node.js, Webpack, GIMP, Google Maps API** | **live site | github**
MERN stack application that allows users to schedule and create biking events with safest routes:
- Utilized React and Redux to dynamically present information according to 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**
React and Ruby on Rails Kanban tool; collaboration tool that organizes your projects into boards.
- 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 Canvas, Heroku, Webpack** | **live site | github**
Interactive JavaScript game where users shoot bubbles to match other bubbles until the 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.

Experiences

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 for new onboarding members; teaching best practice of Salesforce and financial training.
- Managed and led team projects for inclusion and diversity within the team office.

Communications Manager - Railcare Health   January 2017 - March 2019
- Fundraised and managed thousands 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** |
Immersive software development course with focus on full stack 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 |