Rex Gao

P. 626-863-9827   rexgao2013@gmail.com   LinkedIn   Github   Portfolio   Los Angeles, CA

SKILLS

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

PROJECTS

Cobinhood   Live Site | Github

A clone website of robinhood that simulates stock trading (Ruby on Rails, React & Redux, Postgresql)
- Showcased a real-time portfolio chart by using library Rechart on React to enhance readability.
- Harnessed the unidirectional asset state management of Redux to simplify React components and directly manage data for trading form input and submissions.
- Implemented customer back and front end user authentication by combining Rails convention, and React-Router higher order component.

Someday   Live Site | Github

A website that allows users to create lists to share, and comment on media pages.(Express, React & Redux, Node JS, MongoDB)
- Built modals combine with React state for CRUD action with list and comment, to enhance the update and create efficiency around 20%.
- Leverage the mongo polymorphic sub-document with comment on lists and media for DRY code.
- Collaborated with frontend lead to optimize the CRUD and customer-side validation to avoid the unnecessary data request

Pokemon-Catcher   Live Site | Github

A Website game that user controller pokemon-trainer to catch pokemon in each level (HTML5, JavaScript, Canvas, Webpack)
- Accomplished character moving animation fluently by applying sprite sheet partial rendering
- Reduced game space complexity by using object pools to recycle off boundary objects.
- Leveraged Webpack and babel to insure a reliable uniform user experience across web browsers.

EXPERIENCE

Civil Engineer Intern

Booz Allen Hamilton , Jun 2017 - Sep 2017
- Collaborated with the electric engineering team in the cable planning section, resulting in project progress ahead of schedule.
- Contributed in schedule planning and project manage, allowing it process smoothly
- Harmonized team member pace and project scale, ensure workflow running match the project schedule.

Construction Engineering

Exbon Development, May 2018 - Jan 2019
- Applied material management skills to estimate the cost of demolition project, resulting in 10% budget saving.
- Achieved highest project proposal rating in inner rating system for two consecutive projects.
- Managed 12 field workers in the roof demolition project, reduce redundant work, resulting in finishing the project ahead of schedule.

EDUCATION

App Academy - Immersive software development course with focus on full stack web development (Falls 2020)
University California Los Angeles- *BS - Civil Engineering*   (Spring 2018)