Kyle Koshiyama

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SKILLS

React.js, Ruby on Rails, JavaScript, Python, Scikit-learn, jQuery, Ruby, Redux, SQL, Git, HTML5, CSS3

PROJECTS

Kickstarter Clone Live | Github

A Clone of the popular crowdfunding platform that allows entrepreneurs to acquire capital for expenditure

- Implemented a Ruby on Rails backend using a Postgres database, in order to allow users to sign up, login and logout, as well as create and update projects that incorporates one way password encryption using BCrypt
- Created several presentational components as well as their containers in order to add categorical filtration and accessibility to specific projects, providing users the option to back a project or make requests for data
- Developed fully functional navigation and near pixel perfect CSS providing users the ability to successfully navigate applications that were built using React, Redux, and backend associations for user and project models

BallUp Live | Github

MERN stack application that allows users to search for and create local pick up games

- Implemented a MERN stack using a non-relational Mongo database, Express and Node JS, in order to allow users to sign up, login and logout, as well as create and update games.
- Developed an interactive map using Google Maps API in order to allow users to find a court near them based off of their geolocation and place a pin component that allows other users to easily find the location of an upcoming game
- Fully functional navigation in conjunction with CRUD functionality, built using react and redux on the front end, as well as a custom API that incorporates one way password encryption

OverFit Live | Github

Vanilla Javascript that allows users to test different types of trading strategies for popular Cryptocurrencies

- Developed an interactive graph that allows users to input the type of trading strategy they want to test as well as the time period that they would like to test over, in order to see what their profits would have been if they actually tried using that strategy in the market
- Created a backtesting function that can take in any type of traditional technical analysis in order to track results and display them for a user. This was done by adding event listeners to inputs that augments the crypto compare get request string in order to specify specific parameters
- Dynamically implemented several different API's in order to allow users to test an infinite number of strategies by following straightforward instructions allowing the user to maximize profit while minimizing risk

EXPERIENCE

Quantitative Scientist Research Intern

Principal Financial Group, May 2018 - August 2018

- Collaborated with the Chief Investment Officer in the construction of a short term trading model, involving machine learning, in order to capture 150 basis points of the investment funds slippage loss
- Led process examinations with multiple Portfolio Managers in order to outline an associative artificial intelligence systems involving natural language processing and textual analytics
- Authored a white paper outlining a liquidity factored short term trading-model by examining technical analysis and implicit trading inefficiencies in order to ensure the project acquisition

EDUCATION

App Academy - Immersive software development course with focus on full stack web development (Summer 2020)

University Michigan Ross School of Business @ Ann Arbor - *BBA w/ emphasis Finance* (Spring 2019)