Rayyan Mahar

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SKILLS

JavaScript, Ruby, Ruby on Rails, React.js, Redux, SQL, jQuery, Git, HTML5, CSS3

EXPERIENCE

Software Developer Intern

Deutsche Bank June 2016 - Sep 2016

- Built an extensive data analytics infrastructure to automate recognition of patterns and regularities in large data sets using SQL
- Designed a smooth, interactive UI with an emphasis on browser manipulation using jQuery
- Engaged with multiple technical teams to define and deliver complex client banking solutions

EDUCATION

University California @ San Diego (Sep 2013 - January 2018)

B.S in Mathematics-Computer Science

- Coursework: Data Structures, Analysis of Algorithms, Linear Analysis, Computational Statistics

App Academy (January-March 2019)

- 1000-hour immersive full-stack web development course with <3% acceptance rate
- Emphasis on TDD, scalability, algorithms, REST, security, single-page apps and web development

PROJECTS

Coinography live site | github

Full-stack cryptocurrency trading platform (Ruby on Rails, React/Redux, PostgreSQL)

- Developed modular React components and extensible Redux state to display a personalized portfolio and wallet for every user
- Determined the prices of cryptocurrencies in real-time and fetched data from Cryptocompare API to create interactive charts for various cryptocurrencies using Recharts library
- Integrated API calls to backend server to find list of available cryptocurrencies and used AJAX requests to concurrently get all the relevant price data
- Implemented buying/selling of assets by creating an association between users and transactions on Rails backend. Used Redux action creators to efficiently fetch live data at 10 second intervals

Workable live site | github

MERN stack application that parses resumes and finds job listings (MongoDB, Express, React, Node)

- Integrated multiple job API's to retrieve job listings from RESTful backend routes
- Designed an algorithm using Node.js modules to parse documents and extract relevant keywords
- Implemented a remote file upload on the backend server to temporarily store files using Express
- Developed a user jobs component in React to allow users to dynamically add or delete listings

Mazify live site | github

Maze-solving browser application that visualizes graph traversal algorithms (Javascript, HTML5, CSS3)

- Implemented customized versions of DFS, BFS and A* graph search algorithms, using Object-Oriented design to develop a maze based on graph theory
- Dynamically manipulated the DOM using pure JS. Used HTML Canvas to render the mazes