Rayyan Mahar

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Experience

Deutsche Bank   *June 2016 - September 2016*

SOFTWARE DEVELOPER INTERN

- Engineered an extensive data analytics infrastructure for $1.5B revenue to automate recognition of patterns in large data sets using SQL
- Migrated existing site to a Progressive Web App (PWA) in 2 months, resulting in a 44% increase in user generated ad revenue
- Engaged with multiple technical teams to develop an application for streamlining migration of customers from multiple systems
- Designed an interactive UI for smarter allocation of $50M marketing budget, focusing on browser manipulation using jQuery

Projects

Coinography

FULL-STACK CRYPTOCURRENCY TRADING PLATFORM (RUBY ON RAILS, REACT/REDUX, POSTGRESQL)   *Live Site · Github*

- Integrated API calls to Rails backend server to find list of available cryptocurrencies. Executed AJAX requests to concurrently fetch relevant price data in real-time
- Developed modular React components and extensible Redux state to display a personalized portfolio and wallet
- Executed ES6 JavaScript promises to run asynchronous operations, resulting in the fetching of data at 5 second intervals
- Designed UI/UX to receive cryptocurrency data, and used Recharts library to create dynamic and interactive price charts
- Implemented a secure relational database for storing user information using postgreSQL with Rails Active Storage

Workable

MERN STACK APPLICATION THAT PARSES RESUMES AND FINDS JOB LISTINGS (MONGODB, EXPRESS, REACT, NODE)   *Live Site · Github*

- Consolidated multiple web APIs to retrieve job listings from RESTful backend routes in Express.js using AXIOS requests
- Programmed an algorithm using Node.js modules to parse documents and extract relevant keywords
- Implemented a remote file upload on the backend server to store files using AWS, leading to 50% increase in runtime
- Designed and managed a normalized database using MongoDB to store relevant information by utilizing Mongoose.js

Mazify

MAZE-SOLVING BROWSER APPLICATION THAT VISUALIZES GRAPH TRAVERSAL ALGORITHMS (JAVASCRIPT, HTML5, CSS3)   *Live Site · Github*

- Implemented customized versions of graph traversal algorithms, using Object-Oriented design to develop a maze
- Dynamically manipulated the DOM using vanilla JavaScript and Canvas, resulting in an interactive user interface

Education

University of California, San Diego   *La Jolla, CA*

B.S. IN MATHEMATICS-COMPUTER SCIENCE   *September 2013 - June 2018*

- Coursework: Data Structures and Object-Oriented Design, Design and Analysis of Algorithms, Linear Analysis, Machine Learning

App Academy   *San Francisco, CA*

CODING BOOTCAMP   *January 2019 - March 2019*

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

Skills

- **Languages:** JavaScript, Ruby, Ruby on Rails, Java, SQL, HTML5, CSS3, SASS
- **Technologies:** Node.js, Express.js, Git, Linux, React.js, Redux, jQuery, Webpack, MongoDB, PostgreSQL, AWS