Amanda Huang

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SKILLS   Ruby on Rails, React, Redux, JavaScript, Node.js, Express, PostgreSQL, MySQL, MongoDB, Git, HTML5, CSS3

PROJECTS

Robin's Hood (Ruby on Rails, React, Redux, HTML, CSS)   **Live Site |Github**
Single page application in the spirit of Robinhood that lets users invest in public figures, with share price determined by news hits.
- Implemented CRUD functionality using Ruby on Rails and exposing REST endpoints to allow users to sign up and build a portfolio of stocks by buying and selling shares of public figures
- Fetched data from News API as an input into share price calculation and saved data in Redux state where appropriate to limit API calls, saving money and load time
- Rendered graphs of portfolio value and share price data using Recharts (React library) to beautifully visualize changes over time

Feuding Friends (MongoDB, Express, React, Node.js, socket.io)   **Live Site | Github**
Multiplayer MERN stack application where users play Family Feud with friends remotely.
- Worked with a team of 3 other engineers, managing division of responsibilities to ensure no duplication of work and smooth Git workflow
- Designed class definitions using Node backend with modular methods for managing player order, answer checking, score keeping, and round changeovers
- Leveraged Fuzzball (JavaScript library) to enable fuzzy matching between user input and correct answers

Flora (JavaScript, HTML, CSS)   **Live Site | Github**
An app that makes it more fun for students to memorize common topics like multiplication tables, state capitals, and periodic elements.
- Engineered JavaScript algorithms to allow users to start study sessions, keep track of their score, and review previous answer
- Utilized HTML5 Canvas to render animations, giving users visual feedback on their answers
- Programmed custom plant-themed illustrations using JavaScript to appropriately respond to user input and to create a calm studying experience

EXPERIENCE

Venmo (PayPal), *Data Scientist 2*   New York, NY   2017-2020
- Defined ETL scripts to transform data from MySQL, MongoDB, and Zendesk into Redshift tables optimized to be queried for measuring business performance, financial reporting, and product analytics
- Worked with company leaders to collect requirements for reporting needs and consult on data-driven strategic initiatives in order to tailor business intelligence tools and ad hoc analyses for business priorities
- Provided on-call support to troubleshoot data quality issues with existing pipelines, consistently deploying solutions before start of business
- Awarded spot bonuses on 3 occasions for contributions that exceeded role expectations

Uber, *Marketing Manager, Analytics*   New York, NY   2014-2017
- Developed product marketing strategies and messaging, including a flat rate campaign which led to 3x trip growth in three months in a key geographic area
- Performed A/B tests to determine which types of discounts and creative content yield the target cost per incremental Uber ride
- Extracted data using PostgreSQL and performed regular reporting and analysis for marketing team
- Based in Chengdu, China in Q4 2015 to help local team execute marketing best practices, focused on increasing uberPOOL rider adoption

Fab.com, *Customer Experience Data Analyst*   New York, NY   2013-2014

Eventbrite, *Marketing Analyst II*   San Francisco, CA   2011-2013

EDUCATION

App Academy   New York, NY   2020
- 1,000+ hour full stack web development bootcamp with 3% acceptance rate

Boston College   Chestnut Hill, MA
- BA, Economics