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Education

2016 – 2020 **University of California Irvine, information & Computer Science**

Projects

2021 “Reddit Term Ranker”, Popular Reddit Topics Visualizer

Tool used – Python, Reddit API, Matplotlib

- Used official Reddit API to make request to server to retrieve post data
- Built a database from post data and used reverse indexing to rank term frequency
- Used Matplotlib to graph term ranks by multiple criteria, like count, score & density

2021 “Market Simulator”, Determines Best Investment Strategy

Tool used – Python, Yahoo Finance API, Pandas API

- Used official Yahoo Finance API to retrieve historical stock market data
- Implement multiple investing strategies modularly to allow for ease of testing
- Ran short and long term simulation to verify investing strategy effectiveness

2019 “Spotify Set”, A Spotify UI Proposal

Tool used – Adobe XD, Adobe Illustrator, Adobe Photoshop

- Conducted relevant market research on Spotify and its competitor
- Built wireframes, mockups and interactive prototypes while adhering to Spotify’s brand
- Presented proposal to stakeholders, using prototypes to reinforce understanding

2018 “Alchieve”, Alcohol Portioning & Tracking Web Application

Tool used – HTML, CSS, JavaScript

Relevant Skills

Python HTML Java CSS SCSS C++
Excel SQL MySQL Figma React JavaScript
Adobe Illustrator Adobe Photoshop Adobe XD

Relevant Courses

Artificial Intelligence Data Management Machine Learning
Data Structure Implementation & Analysis Information Retrieval
Project in Databases & Web Applications Computer Vision