Nguyen K. Dang

University of California Irvine Graduate

Phone 408-513-7511
Email nguyenkhdang@gmail.com

Repository github.com/nguyenkdang
Linkedin linkedin.com/in/nguyenkdang

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", Alchohol 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