KYOUNGCHEOL 'KC' KIM

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EDUCATION

University of California, Berkeley   ***B.A, Major: Data Science,*** *Business/Industrial Analytics*

Relevant Coursework: Graduated: May 2023

- Computer Programs | Data Structures and Algorithms | Data Science Techniques | Machine Learning
- Business Analytics | Engineering Stats, QC and Forecasting | Probability Engineering | Data Mining

SKILLS

Languages: Python, Java, SQL, HTML/CSS, SwiftUI

Frameworks/Technologies: Machine learning(linear regression, logistic regression, decision trees, random forest, clustering, neural networks), Jupyter, Spyder, Pandas, Scikit-Learn, NumPy, Data Visualization: Matplotlib, seaborn, GitHub, Unit Testing, Object Oriented Programming (OOP), MySQL, Pandas, Scikit-Learn, NumPy, Matplotlib, Data Visualization, Bootstrap, Basic AWS Skills(EC2, S3, Security), Figma

KEY PROJECTS

Sonification | NASA Hackerthon – Python, Streamlit   Github: http://bit.ly/3ZO3fOq

- Designed & developed sonification, translations of 2D astronomical data into sound, to provide a different perceptual path that can help understand and appreciate the wonders of the universe. Used OpenCV to extract the RGB values from the image. Then, used each infrared image to determine out note's pitch, volume, and length. Stored these values in a Numpy array as input for audio and finally, used a library, Sounddevice, to output data.

Travel Club | Object Oriented Programming - Java   Github: https://bit.ly/3Ocn7qz

- CRUD system is implemented by receiving console-based inputs from users. It includes functions for registering, searching, modifying, and removing information. When registering a new user, it automatically records the registration time and date. To address privacy concerns, it uses UUID to generate unique IDs and SimpleDataFormat to ensure each user has a distinct date format, eliminating the possibility of duplicate users.

Gitlet | Object Oriented Programming - Java   Github: https://bit.ly/3NStzlf

- Designed and implemented mini-version of Git, version-control system using Java.
- Commands: 'init', 'add', 'commit', 'remove', branch', 'merge', 'find', 'status', 'checkout' and 'reset.'

Correlation between NBA and NCAA | Data Science - Python   Github: https://bit.ly/43j7TUN

- Created a model using machine learning algorithms to scout for future prominent potential stars in the NBA using the data and the NCAA statistics for each player: data cleaning, EDA, correlation analysis using heatmap, Train/Test datasets using linear regression, random forest regression, SVM and neural network.

PROFESSIONAL EXPERIENCE

MUSTI Inc – San Francisco, CA   Jan. 2021 – Jan. 2023

Business Analyst & Founder (Mid-century Vintage Furniture E-Commerce/ Wholesale)

- Achieved a 30% increase in annual sales, totaling $250k, while boosting profit margins by 55% through data-driven trend analysis and the strategic implementation and management of sales, purchasing, logistics, inventory, and assortment strategies for specialty accounts.
- Ensured global compliance adherence and conducted business activities in alignment with regulatory standards.

US Army Reserve Combat Hospital– Los Angeles, CA/ Dublin, CA   Oct. 2016 – Sept. 2023

Patient Administration Specialist - A member of Dean's list

- Utilized and maintained software applications and systems relevant to patient administration functions.
- Ensured medical record management, optimal performance, security, and compliance with data privacy regulations.

Leadership & Volunteer Experience

- US Army & Republic of Korea Army Veteran: Contributed to COVID missions, delivering free medical care to underserved suburban areas in Texas. Recognized with an award for outstanding real-time data reporting management.