Max Vu

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DATA ANALYST

Data Analyst with a background in extracting, cleaning, and modeling data. Seeking a collaborative work environment where data engineering and analysis skills can provide the business intelligence to support strategic decision making.

TECHNICAL SKILLS

General: Data Cleaning, Data Modeling, Data Visualization, Machine Learning, ETL Pipelines
Languages: R, Python, PostgreSQL
Version Control / Project Management: Git, Jira, Confluence
Visualization: RShiny, Tableau, Power BI, HTML, CSS
Related Skills: Microsoft Excel, DAX, UNIX shell scripting, Jupyter Notebook, Technical Writing

WORK EXPERIENCE

Kaiser Permanente (Oakland, CA)
Data Management Intern, June 2022 – November 2022
Worked with a team of developers to analyze and report on healthcare provider data.

- Built an automated ETL pipeline to extract provider data from healthcare company APIs.
- Cleaned, validated, and analyzed data to compute summary statistics of where different providers are located throughout regions of the US.
- Created a dashboard that showcased summary statistics and an interactive map of provider locations to present in a technical demonstration to managers.
- Empowered my department to make better strategic decisions by improving our understanding of how providers are spread throughout the US.
    - The data and results from my project will be used in business plans to expand coverage to new areas or reinforce areas that require more support.

EDUCATION

Bachelor of Arts, Data Science (2022)
UC Berkeley, Berkeley, CA

PROJECTS

Movie Metrics, January 2023 – Present

- Created a web app that generates a summary of a user's movie preferences (favorite genre, director, actor, actress, etc.), used IMDB datasets as source.
- Coded the web app to display pictures of the user's favorite director/actor/actress, used TMDB's API to download and upload the images.

NBA Hall of Fame Predictor, October 2022 – December 2022

- Used machine learning to predict which NBA players will be inducted into the Hall of Fame based on their stats and accolades.
    - Used NBA's API as the data source.
    - Used techniques such as logistic regression, decision trees, random forests, etc.
- The final model had 99.8% accuracy, 97.3% recall, and 100% precision.
- One important conclusion: "number of All Star appearances" is the most significant accolade that indicates a player's chances of induction – it is by far more significant than "number of championships won."