Jonathan Rubalcava

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HIGHLIGHTED PROJECTS AND WORK EXPERIENCE

Data Analyst Intern - Berkeley SKYDECK
- Collaborated with a team where communication was key in order to complete tasks and meet deadlines.
- Exercised presentation skills and developed visualizations to stakeholders using Tableau.
- Performed A/B and hypothesis testing in order to increase the amount of engagement with users via weekly newsletters; Resulted in an increase in click-rate among users in newsletter.

Project- Exploring COVID-19 Data through Modeling
- Cleaned, restructured, and merged COVID-19 related datasets in order to make discoveries among the data easier to spot.
- Collaborated with a group to model and analyze the temporal evolution of COVID-19 cases using techniques of Data Science.
- Resulted in discovering key correlations between political party preference and mask mandate abidance by leveraging visualization techniques.

Personal Project- Using Tableau with Airbnb Data
- Created a Tableau dashboard of data from Airbnb that presents the average price per neighborhood, the prices for listings throughout the year, and the distinct number of listings per bedroom.
- Discovered that the most expensive Airbnb listings were those that had 6 bedrooms or that were close to the Financial District of SF.

Project- Querying Baseball Database with SQL
- Utilized SQL to query the large Lahman Baseball Statistics Database which contained pitching, hitting, and fielding statistics for Major League Baseball from 1871 through 2019.

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

Artificial Intelligence Club, Ohlone College   **February 2018 - May 2020**
- Cooperated with a team to understand the programming language of python and worked collectively on issues that occurred while programming.
- Resulted in the successful onboarding of 9 new club members.

EDUCATION

University of California, Berkeley   **Spring 2023**
Bachelor of Arts in Data Science (Emphasis in Business and Industrial Analytics)
(3 years of experience in Data Analysis/Data Science field)

Relevant Coursework: Concepts of Probability, Introduction to Machine Learning, Foundations of Data Science, Principles and Techniques of Data Science, Principles of Engineering Economics, Introduction to Economics, Introduction to Business Analytics, The Structure and Interpretation of Computer Programs, Introduction to Database Systems.

SKILLS

Programming Languages: Python, SQL, C++, Java, Html&Css, R
Visualization: Matplotlib, Seaborn, Tableau
Machine Learning/Data Science Concepts: Neural Networks, Clustering, K-Means, K Nearest Neighbors, Decision Trees, Random Forests, Scikit-Learn, TensorFlow, Logistic/Linear Regression, A/B Testing, Convolutional Neural Networks, Statistics, Regex, Business Intelligence
Softwares/Tools Used: Jupyter Notebook, Pandas, Numpy, Sublime, IntelliJ IDEA, Visual Studio Code, Microsoft Excel, Microsoft Word, Microsoft Office, Microsoft Powerpoint, git, ChatGPT
Spoken Languages: Fluent in English and Spanish