Data Analyst/ Data Scientist

JOSE SANCHEZ JR

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Skills

- SQL (MySQL Workbench, MySQL)
- Python (Pandas, NumPy, SciPy, MatPlotLib)
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- Java (Junit,Apache,JSON)
- MongoDB, Ubuntu
- Microsoft Power BI, Tableau

Projects

MACHINE LEARNING PROJECT – Personal Project – EL Paso, TX   December 2023
- Utilized **Python** to analyze datasets for forecasting students' final grade based on alcohol consumption.
- Implemented **decision tree, KNN** skill sets to find the outcome of the procedure for pass or failure.
- Aggregated and visualized the data by using **pandas, NumPy** to compile a professional report.

IT & COMPUTER BUILDING – Personal hobby – El Paso, TX   Current 2024
- Converted old PC into a modern gaming computer from scratch replacing & upgrading its hardware.
- Help install hardware for relatives & friends from parts to recommendations in hardware.
- Help with installing & malfunctioning fixing programs or clientele.

BORDERLAND GLITCH GAMING– University of Texas at El Paso– El Paso, Tx   august 2019 - January 2020
- **Game Jam –** Participated in a three-day challenge hosted by Bandit Game Studios, where I developed a game using Unity based on a given prompt, gaining hands-on experience and enhancing my game development skills.

GRAD GRANT SYSTEM – University of Texas at El Paso – El Paso, TX   November 2022
- Created a system to display funding opportunities for researchers based on their interests and qualifications.
- Transformed and filtered data by using aggregating and filtering function to improve reporting process.
- Loaded & visualized data with **frontend** for the admin to show report on researchers who have been granted grants.

Professional Experience

LOMBARDI RACING– University of Texas at El Paso– El Paso, Tx   august 2019 - January 2020
- **Comprehensive Skill Development:** Members gain valuable skills in CAD, analysis, time management, presentation, and teamwork.
- **Hands-On Experience:** Provides practical exposure to manufacturing processes and techniques.
- **Unique Opportunities:** Offers UTEP students unique experiences and opportunities not found in other student organizations.

EMPLOYEE SQL – Personal Project – El Paso, TX   November 2023
- Developed an SQL dashboard with Excel to analyze employee data, answer scenario questions, and extract insights. Conducted data gathering via SQL workshops and presented query results effectively.
- Exported query results to Excel, ensuring essential data inclusion. Enabled the addition and deletion of entries to maintain accuracy.

REPORTS LEAD – NAÏVE – EL Paso, Tx   December 2022 - April 2023
- Developed a user-friendly graphical interface for Lockheed Martin DAC analyst to visualize INVA/DE data through dashboards.
- Implement modern penetration testing application to aggregate the network and vulnerability data into backend databases.
- Enable export of dashboard in various formats including XML, JSON, & CSV, facilitating mission-critical cyber assessment.

Education

BACHELOR OF SCIENCE IN COMPUTER SCIENCE –University of Texas At El Paso– El paso, TX   December 2023
Majors: Computer Science, Minor: Mathematics