Trevor Khan

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Professional Summary

Data-driven analytics professional with experience leveraging SQL, Python, and Tableau to extract, clean, analyze, and visualize data for actionable insights. Proven ability to support data-driven decision-making through advanced SQL querying, exploratory data analysis, and dashboard development. Adept at translating business requirements into analytical solutions, improving data quality, and delivering clear, impactful visualizations. Committed to applying analytical expertise to support organizational objectives while contributing effectively within collaborative, fast-paced environments.

Technical Skills

Python, Tableau, SQL, Power BI, Microsoft Excel, R, Machine Learning, Data Cleaning, Data Mining, Data Modeling, Statistical Data Analysis, SAS Enterprise Miner, Oracle Tools, Relational Databases, HTML, CSS, Medical Terminology

Certificates

- LinkedIn Learning – Master SQL for Data Science – November 2023
- LinkedIn Learning – Power BI Essential Training – November 2023
- LinkedIn Learning – Agile Foundations – October 2023
- Collibra – Business Analyst/Data Scientist Learning Path – February 2023

Professional Experience

Forecast Solutions Analyst

ENGIE North America (Contractor via Alava Consulting), Houston, Texas
01/2024 - Present

- Manage pre-deal load data processing and forecasting using Oracle tools, ensuring compliance with internal standards while improving accuracy, efficiency, and customer experience to enable timely, data-driven decisions.
- Leverage expertise in ERCOT, PJM, and MISO energy markets to optimize data analysis and support strategic initiatives, utilizing internal and external platforms to drive performance, stakeholder alignment, and operational excellence.

Data Analyst

Energy Texas, Houston, Texas   **03/2023 - 01/2024**

- Managed and executed a customer churn prediction project, developing a machine learning model to precisely forecast customer attrition. Effectively addressed the challenge of retaining expiring customers by proficiently querying large datasets with PostgreSQL and constructing a predictive model using Scikit-learn.
- Conducted a comprehensive analysis of financial revenue by meticulously cleansing ERCOT usage data and customer energy pricing information. This enabled real-time tracking of margins reporting, facilitating informed decision-making for financial management.

Oracle BI Publisher Report Builder

International Omega Group, Richmond, Texas   **06/2020 - 08/2020**

- Developed HR reports using Oracle BI publisher to replace outdated forms from previous years.

Medical Office Assistant

The Family Doctors, Denton, Texas   **09/2018 - 05/2019**

- Collaborated with a trio of colleagues to optimize provider efficiency, skillfully transitioning patient paper charts into an Electronic Health Record (EHR) system at two family practice clinics, accomplishing the task four months ahead of schedule.

Education

Master of Science in Advanced Data Analytics

University of North Texas, Denton, Texas   **12/2022**

- Maintained a stellar 4.0 GPA while utilizing a diverse skill set in statistical analysis, data cleaning, and data visualization with tools such as Excel, Python, SQL, GCP, and Tableau.
- Applied advanced statistical techniques like ANOVA and Chi-Square analysis, alongside TensorFlow and Scikit-learn for machine learning model development, contributing to data-driven decision-making.

Bachelor of Science in Biology

University of North Texas, Denton, Texas   **05/2018**

- Graduated Magna Cum Laude with a minor in chemistry.

Portfolio Projects

Customer Renewal Report:

- Leading a pivotal project, took charge of generating insightful monthly reports on customer behaviors and contract renewals. The core objective was to discern patterns in customer decisions, specifically whether they opted for yearly or monthly renewals, allowed contracts to roll off, or indicated potential churn. This endeavor significantly contributed to a heightened understanding of contract dynamics and customer behaviors, showcasing analytical skills.
- Executing precise PostgreSQL queries, skillfully retrieved pertinent data from the database, ensuring accuracy and relevance for subsequent analyses. This phase of the project showcased attention to detail and expertise in crafting effective database queries.
- Efficiently processed data using Python and Pandas, creating informative pivot tables to distill complex datasets into actionable insights. Exported results to Excel, forming the foundation for a comprehensive report, showcasing the ability to translate data into valuable insights for strategic decision-making.

Capstone Project:

- Conducted an in-depth analysis of the extensive COVID-19 CDC dataset, involving meticulous data cleaning, thorough analysis, and development of predictive models to discern statistically significant relationships influencing patient hospitalization. Identified top influential variables and crafted a machine learning model to predict hospitalization risk.
- Achieved 73% accuracy in the predictive machine learning model for assessing hospitalization risk, highlighting expertise in data-driven decision-making and predictive analytics in public health, derived from dataset analysis insights.

Brain-Tumor Classification:

- Designed and developed a robust classification model utilizing the Python Keras API. The model demonstrated exceptional accuracy in accurately detecting the presence of brain tumors in medical brain scan images, showcasing expertise in medical image analysis and machine learning.

Tableau Pharmacy Project:

- Implemented an interactive dashboard using pharmacy sales data alongside a PowerPoint slide deck to present an insight summary about financial problems the company was facing and potential solutions to solve those issues.

Work Authorization

- Citizenship: U.S. Citizen