

Trevor Khan

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Objective

Seeking a Data Analyst position to enhance skills, contribute to data-driven decision-making, and continue professional development. Detail-oriented Junior Data Analyst with expertise in SQL, Python, and Tableau. Proven ability to extract, clean, and analyze data for actionable insights. Proficient in crafting SQL queries for effective database manipulation and skilled in data visualization using Tableau. Committed to leveraging analytical prowess to support organizational objectives and eager to contribute to a dynamic and collaborative team environment.

Technical Skills

Python, Tableau, SQL, Power BI, Microsoft Excel, R (programming language), Machine Learning, Data Cleaning, Data Mining, Data Modeling, Statistical Data Analysis, SAS Enterprise Miner, 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

Data Analyst

Energy Texas, Houston, Texas

03/2023 - Present

- 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.
- Delivered detailed and insightful reports on various marketing projects, identifying key strengths and weaknesses. These reports guided the optimization of marketing strategies and resource allocation.
- Engaged as a collaborative team member, actively contributing to the company's pricing strategy by consistently updating and managing pricing information. Employed vigilant market analysis and valuation techniques to ensure competitive pricing, driving maximum profitability while maintaining a keen focus on market dynamics.

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 applying a diverse skill set in statistical analysis, data cleaning, and data visualization, utilizing tools such as Excel, Python, SQL, GCP, and Tableau.
- Applied advanced statistical techniques, including ANOVA and Chi-Square analysis, and leveraged TensorFlow and Scikit-learn to develop machine learning models, contributing to data-driven decision-making. Collaborated within a team to manage SQL queries on Google Cloud Platform, showcasing expertise in Big Data analytics and deriving business insights.

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 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 an extensive COVID-19 CDC dataset containing 200,000 rows of data. This involved meticulous data cleaning, thorough data analysis, and the development of predictive models. The primary objective was to discern statistically significant relationships that influenced patient hospitalization.
- Identified and analyzed the ten most influential variables associated with patients seeking medical care for COVID-19. The analysis unveiled a strong correlation between a patient's age and their likelihood of requiring hospitalization. Subsequently, successfully crafted a machine learning model to predict the risk of hospitalization for incoming patients.
- Achieved a remarkable 73% accuracy in a predictive machine learning model designed to assess the risk of hospitalization. This model was developed based on insights derived from the dataset analysis, highlighting expertise in data-driven decision-making and predictive analytics in the context of public health.

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