

# 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 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, Machine Learning, Data Cleaning, Data Mining, Data Modeling, Statistical Data Analysis, SAS Enterprise Miner, Oracle Tools, Siebel CRM, 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, Houston, Texas

01/2024 - Present

- Manage pre-deal load data processing queue, ensuring compliance with service level agreements, guidelines, and standards, thereby facilitating smooth operations and timely delivery of insights for decision-making processes.
- Drive improvements in forecasting accuracy and efficiency by optimizing processes and platforms, harmonizing data sources, and synchronizing workflows, utilizing Oracle tools for pre-deal load forecasting to enhance the overall customer experience and support informed business decisions.
- Demonstrate a deep understanding of energy market dynamics within ERCOT, PJM, and MISO, leveraging internal and external platforms to optimize data analysis, drive strategic initiatives, and enhance company performance, while ensuring 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.
- 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.

### 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

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### 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

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### 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

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- Citizenship: U.S. Citizen