Trevor Khan

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LinkedIn: https://www.linkedin.com/in/trevorkhan / Portfolio Website: https://thetrevork.github.io/

Technical Skills

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

Education

Master of Science in Advanced Data Analytics

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

- Maintained an exceptional 4.0 GPA while actively applying a diverse skill set in statistical analysis, data cleaning, and data visualization. Proficiently utilized tools such as Excel, Python, SQL, Google Cloud Platform (GCP), and Tableau to extract valuable insights from complex datasets.
- Applied advanced statistical techniques, including ANOVA and Chi-Square analysis, to extract meaningful insights from data. Subsequently, leveraged TensorFlow and Scikit-learn to develop machine learning models, contributing to data-driven decision-making.
- Collaborated within a team of five professionals to manage SQL queries within the Google Cloud Platform, utilizing Virtual Machines and relational databases. Effectively worked with Big Data to derive insights related to salary trends based on educational levels, showcasing expertise in handling large-scale datasets, and delivering valuable business insights.

Bachelor of Science in Biology

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

- Graduated Magna Cum Laude with a minor in chemistry.

Work History

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.

Substitute Teacher

Pasadena Independent School District, Pasadena, Texas **10/2021 – 03/2023**

- Supervised high school students by providing guidance in learning algebra and geometric formulas as a long-term substitute Geometry teacher.
- Monitored student performance to stay above the 70% pass threshold for the district and aided struggling students.

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**

- Managed a team of 3 to improve the efficiency of the providers by helping convert the patient paper charts into an EHR system at 2 different family practice clinics 4 months ahead of schedule.

Portfolio Projects

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