KYLE CASTILLO

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EDUCATION

The University of Texas at Austin – Austin, Texas   **August 2023 - May 2026**
Bachelor of Science in Informatics- Human-Centered Data Science
- Certificates: Applied Statistical Modeling, Elements of Computing
- GPA: 3.79

PROJECTS

End-to-End Data Pipeline Transformation and Analysis   **August 2024 - Present**
I 320D - Data Engineering
- Currently constructing a data pipeline incorporating data extraction, transformation, and loading (ETL) processes.
- Designing and employing interactive dashboards to visualize critical data.

Marital Status Prediction: Logistic Regression and Neural Networks   **March 2024 - May 2024**
I 310D - Intro to Human-Centered Data Science
- Developed a machine learning model to predict marital status using data from the U.S. Census PUMS dataset.
- Implemented logistic regression and neural network models achieving 85% accuracy; utilized LIME (Local Interpretable Model-agnostic Explanations) to enhance model interpretability.

Real Estate Regression Diagnostics   **February 2024 - April 2024**
I 306 - Statistics for Informatics
- Developed a regression model for predicting real estate prices using factors like location and property size.
- Utilized R and ggplot2 for statistical analysis, including hypothesis testing and regression diagnostics.

CERTIFICATIONS

Relational Database Administration and Database Management   **July 2024**
IBM via Coursera
- Employed skills in database management, optimization, and troubleshooting.
- Acquired knowledge of database lifecycle management, security, backup, and restore procedures.

PostgreSQL Summary Stats and Window Functions   **April 2024**
DataCamp
- Developed advanced SQL queries using window functions for complex analytics and data manipulation.
- Enhanced skills in summarizing data and performing statistical analyses with PostgreSQL.

STUDENT ORGANIZATIONS

Machine Learning and Data Science – Austin, Texas   **January 2024 - Present**
Member
- Participated in online ML competitions, employing scikit-learn, pandas, seaborn, and more.
- Attended social events and networking opportunities with researchers and recruiters, connecting with those in various data science and machine learning communities.

Texas MAES – Austin, Texas   **August 2024- Present**
Member
- Contributed to planning of events aimed at supporting Latinx students in Science and Engineering.

EXPERIENCE

UT Austin Office of the Dean of Students – Austin, Texas   **August 2024 - Present**
Risk Reduction Peer Educator
- Facilitated safety education workshops for over 1,200 student organizations, enhancing campus safety.
- Tracked program attendance and managed data entries in Microsoft Excel, ensuring accurate records.

Golf Cart King – Liberty Hill, Texas   **May 2022 - July 2024**
Warehouse Associate
- Managed inventory and updated databases using Microsoft Excel, ensuring accurate stock records.

TECHNICAL SKILLS

- **Databases:** PostgreSQL, MySQL, Oracle, MS SQL Server
- **Programming:** Python (Pandas, NumPy, Matplotlib, scikit-learn), R, Java
- **LeetCode:** Solved over 200 database questions using PostgreSQL, MySQL, and MS SQL Server
- **Language Fluency:** English - Native, Spanish - Native