

CEDRIC MARTINEZ

Data Scientist

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📍 Katy, TX

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🐙 <https://github.com/cmrtnz>

EDUCATION

M.S

Advanced Data Analytics

University of North Texas

📅 January 2023 - Expected May 2024

📍 Denton, TX

Relevant courses

- Applied Machine Learning
- Database Systems
- Discovery and Learning with Big Data
- Deployment of Advanced Analytics
- Data Modeling

B.S.

Computer Science

University of Texas at Dallas

📅 August 2019 - May 2022

📍 Richardson, TX

Relevant courses

- Discrete Mathematics
- Advanced Algorithms
- Linear Algebra
- Probability & Statistics

SKILLS

- Python (Pandas, NumPy, Scikit-learn, Keras, TensorFlow, Selenium)
- SQL (MySQL, Microsoft SSMS)
- C++
- Alteryx
- Spotfire
- Tableau

WORK EXPERIENCE

Technology Analyst

American International Group

📅 July 2023 - Current

📍 Houston, Texas

- Work with customer trip cancellation data to build a machine learning model from scratch accurately predicting possible fraudulent travel claims with 87% accuracy including the following tasks:
- Clean and preprocess raw data for data modeling
- Engineer new features to use for machine learning training data set from existing data
- Perform various tests for feature selection to include in final model
- Build a predictive model using data of both original and engineered features using algorithms such as LightGBM and Random Forest Classification
- Test model performance between different algorithms and optimize performance through hyperparameter tuning
- Regularly meet with business leaders to convey insights and determine next steps to take to align with business objectives

Technology Services Intern

Vistra Corp

📅 August 2021 - December 2021

📍 Dallas, TX

- Worked with Decision Analytics team to create an SQL database to store historical Tableau user data from a rolling 90-day record
- Created a Python script utilizing an SQL connector to identify dormant Tableau user licenses and provide a report of licenses that may be re-distributed to new users, saving over \$80k in Tableau business expenses

Analyst Intern

Pioneer Natural Resources

📅 May 2021 - August 2021

📍 Irving, Texas

- Deployed an Alteryx workflow to automate facilities project cost estimations to replace manual Excel process, saving over 200 hours a year of processing time
- Identified numerous facility project budget errors including a \$500k mistake that went undetected by current processes
- Built a Spotfire dashboard identifying projects with exceptions not caught in the workflow

PROJECTS

Sports Statistics Prediction Model

Creator

- Use Selenium library within Python to ingest data from numerous online data sources to build model predicting future statistics of NBA player
- Clean and transform imported data into a workable form utilizing Pandas library
- Create machine learning model predicting statistics of player in their next game
- Connect Python with SQL database storing prediction results and compare to real-life results for future performance refinement