Data Analyst

WILL MIZER

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Sarasota, FL 34275
GPA: 3.81

Education

BACHELOR OF SCIENCE IN DATA SCIENCE – Florida Polytechnic University – Lakeland, FL   Expected 5/2027

ASSOCIATE OF SCIENCE IN COMPUTER PROGRAMMING/ANALYSIS – State College of Florida – Venice, FL   12/2023

Skills

Python
Libraries: pandas, matplotlib, seaborn, sci-kit learn

R Programming
Packages: dplyr, ggplot, tidyr

SQL
Data cleaning, joins, query optimization Aggregation functions, filtering and group by

Microsoft Office
Emphasis on Excel, VLOOKUP, pivot tables, basic formulas

Tableau
Interactive dashboards and visualizations Storytelling and filtering

Hadoop
Tools: HDFS, MapReduce, PySpark

Projects

PYTHON | SQL: VIRGINIA HOUSING ANALYSIS – Personal Project (2025)

- Built an **end-to-end data pipeline** to collect, clean, and analyze **Virginia housing data** scraped from Redfin using requests.
- **Cleaned and standardized** data in MySQL, then performed exploratory data analysis (EDA) in Python to identify trends and outliers.
- **Engineered features** (price per square foot, property type encoding) and removed outliers to **improve model performance**.
- Developed and tuned a **Random Forest Regressor** to **predict home prices** and **built a recommendation system to identify top properties** based on user preferences.

PYTHON: MOVIEMATCHAI MOVIE RECOMMENDATION SYSTEM – Personal Project (2025)

- Developed a hybrid recommendation engine using TF-IDF, UMAP, and KNN to suggest similar films based on plot, cast, director, genres, and user themes
- **Engineered a weighted feature pipeline with dimensionality reduction for fast, accurate similarity search across 100,000+ movies**
- Built an interactive front-end using Streamlit; deployed a full-stack system supporting user queries and visualization of recommendations

PYSPARK: END TO END DATA MOVIE PERFORMANCE PREDICTION – University Project (2025)

- Cleaned and processed IMDb's public dataset **(~70 million rows)** using **PySpark and SQL libraries**
- Performed **exploratory analysis** and engineered features from movie metadata (runtime, genres, votes)
- **Built and evaluated a linear regression model** to **predict IMDb** ratings for potential new movie candidates
- **Completed full data pipeline: collection, cleaning, analysis, modeling, and visualization**

Work Experience

ONLINE DATA ANALYST – TELUS International   Nov 2023 – Apr 2024

- Reviewed and rated images, sounds and search results to **improve AI training data**, ensuring accuracy and relevance for machine learning models
- Securely worked while **maintaining data privacy** and **security regulations**
- Provided **detailed feedback** to enhance algorithm performance and optimize model accuracy

- Maintained a **high level of accuracy** and attention to detail in evaluating digital content

SALES ASSOCIATE – The TJX Companies, Inc – Venice, FL   May 2021 – Mar 2022

- Managed the HomeGoods department, including rugs, lamps, and furniture, while maintaining a **high level of customer service**.
- Assisted customers with product inquiries and provided recommendations to improve their shopping experience.
- Ensured **inventory organization** and floor presentation met company standards.
- Worked very well with teammates and **communicated effectively** on what tasks needed to be accomplished.

LIBRARY STAFF & TECHNOLOGY SUPPORT (VOLUNTEER) – Osprey Library – Sarasota, FL   May 2016 – May 2019

- Assisted library patrons with **technology support** and troubleshooting issues.
- **Organized** book returns alphabetically to maintain an efficient library system.
- Provided **customer service** to patrons, ensuring a welcoming and helpful environment.