

Data Scientist

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WILL MIZER

[William Mizer | LinkedIn](#)

[Will Mizer | Portfolio Page](#)

Sarasota, FL

GPA: 3.81

Education

BACHELOR OF SCIENCE IN DATA SCIENCE – Florida Polytechnic University 2024 -Expected 2027

ASSOCIATE OF SCIENCE IN COMPUTER PROGRAMMING AND ANALYSIS – State College of Florida 2021 - 2023

Skills

- SQL (SQL Server, MySQL, PostgreSQL)
- Python (Pandas, NumPy, SciPy, Matplotlib)
- Tableau
- Excel (VLOOKUP, Conditional Formatting, Pivot Tables)
- Machine Learning
- Statistical Analysis
- Big Data Analytics (Hadoop, PySpark)
- Strong Communication and Presentation skills
- R Programming
- Microsoft Azure (Data Bricks, Azure Data Lake, Azure Data Warehouse)
- PySpark
- Microsoft Power BI

Projects

DATA SCIENCE VIRGINIA HOUSING ANALYSIS – Personal Project

- **Improved price prediction accuracy by 50% (from 140K to 70K)** using the **XGBoost Random Forest** machine learning model.
- Built a tool to **estimate house prices** based on square footage, acreage, location and amenities, **aiding build vs. Buy decisions**.
- Empowered family relocation with **data-driven insights, boosting confidence** in Virginia home buying.
- Enabled builders to **forecast future home values based on lot size and locations** for **market-aligned pricing**.

MOVIE-MATCH AI MOVIE RECOMMENDATION SYSTEM – Personal Project

- Increased recommendation **accuracy from 10% to 35%** using **SentenceTransformer** embeddings and **Optuna-tuned weights**.
- Developed a **hybrid similarity** model for movie recommendations based on cast, director, genre and themes.
- Created an **interactive tool** for personalized movie suggestions **using predictive modeling**, solving group decision making fatigue.
- **Managed full data science pipeline**, from **data cleaning to model tuning**, using **Python and scikit-learn**.

WORLD HAPPINESS METRICS DASHBOARD– Personal Project

- Created an **interactive** dashboard in Tableau that visualizes global happiness metrics.
- **Users can filter** by country, **compare individual indicators** (like GDP, life expectancy, freedom), and identify regional trends.
- Powered by **cleaned multi-year datasets** and **dynamic parameters for deep, interesting insights**.

Work Experience

ORIENTATION LEADER & CAMPUS RECREATION– Florida Polytechnic University – Lakeland, FL May 2025 - Present

- **Led campus tours** and facilitated group activities to **promote engagement and policy understanding**
- Collaborated with fellow employees to ensure **smooth event execution**
- Strengthened **leadership, communication and public speaking skills**

ONLINE DATA ANALYST– TELUS International – Remote November 2023 – April 2024

- Reviewed digital content to improve **AI training datasets**.
- Ensured secure handling of sensitive information in line with **data privacy regulations**.
- Provided feedback for **optimizing ML model accuracy and relevance**.