

Data Scientist

(941) 812 7787 | will.mizer@gmail.com

GPA: 3.81

WILL MIZER

[Portfolio Website](#)

[LinkedIn](#)

Education

BACHELOR OF SCIENCE IN DATA SCIENCE – Florida Polytechnic University 2024 - 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, scikit-learn)
- Tableau, Power BI
- Excel (VLOOKUP, Formatting, Pivot Tables)
- Machine Learning
- Statistical Analysis
- Big Data Analytics (Hadoop, PySpark)
- GIS (GeoPandas, spatial visualization)
- HTML5/CSS
- R Programming
- Office 365
- Cloud Infrastructure (AWS – EC2, S3, IAM, CloudWatch)

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**
- Created an **interactive tool** for 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 powered by **cleaned multiyear data** and **dynamic parameters for deep insights**
- Users can filter by country, **compare individual indicators** (like GDP, life expectancy, freedom), and **identify regional trends**

Experience

PHOENIX AUTONOMY ROBOBOAT – Florida Polytechnic University – Lakeland, FL September 2025 - Present

- Collaborated with the **simulation** team to develop a **Gazebo world**, generating **LiDAR data** for **autonomous boat perception**
- Applying **sensor fusion** techniques with the **navigation** team, integrating data to create **robust navigation systems**

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**
- Strengthened **leadership, communication and public speaking skills** while ensuring **smooth event execution**

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

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