Will Mizer

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GPA: 3.81

TECHNICAL SKILLS

Programming: Python, R, SQL (PostgreSQL, MySQL, SQL Server)
Libraries: Pandas, NumPy, SciPy, scikit-learn, XGBoost, SentenceTransformer
Data Tools: Tableau, Power BI, Excel (VLOOKUP, Pivot Tables), Hadoop, PySpark, GeoPandas
Other: Machine Learning, Statistical Modeling, GCP, AWS(EC2, S3), Git

EDUCATION

Florida Polytechnic University   Lakeland, FL
Bachelor of Science in Data Science   *2024 – 2027*

State College of Florida   Bradenton, FL
Associate of Science in Computer Programming and Analysis   *2021 – 2023*

PROJECTS

Virginia Housing Analysis | *Python, XGBoost, Random Forest, Web Scraping, MySQL*   Personal Project
- Improved **price prediction accuracy by 50%** (from $140K to $70K) using **XGBoost and Random Forest models**.
- Built a **predictive tool estimating house prices** based on **square footage, acreage, location, and amenities**.
- Enabled builders to **forecast home values based on lot size and location** for market-aligned pricing.
- Empowered **data-driven decisions** in Virginia home buying through actionable analytics.

Movie-Match AI Recommendation System | *Python, scikit-learn, SentenceTransformers*   Personal Project
- Increased **recommendation accuracy from 10% to 35%** using **SentenceTransformer embeddings and Optuna-tuned weights**.
- Built an **interactive tool for movie suggestions** solving **group decision-making fatigue**.
- Managed full **data science pipeline: data cleaning, model selection, and performance evaluation**.

World Happiness Metrics Dashboard | *Tableau, MySQL Data Preparation, Visualization*   Personal Project
- Created an **interactive Tableau dashboard** using **multi-year global data** for insight exploration.
- Enabled filtering by country and **comparison of indicators such as GDP, life expectancy, and freedom**.
- Delivered an **intuitive visualization experience** to uncover regional and global well-being trends.

EXPERIENCE

Phoenix Autonomy Roboboat   Sept. 2025 – Present
Florida Polytechnic University   *Lakeland, FL*
- Developed a **Gazebo simulation environment**, generating **realistic LiDAR data** for autonomous boat navigation, **improving testing efficiency**.
- Applied **sensor fusion techniques** with the navigation team, integrating data to create **robust navigation systems**.

Orientation Leader & Campus Recreation   May 2025 – Present
Florida Polytechnic University   *Lakeland, FL*
- Led **campus tours for over 100 students** 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   Nov. 2023 – Apr. 2024
TELUS International   *Remote*
- Enhanced **AI training dataset review efficiency by 50%**, earning recognition and a **performance-based bonus**.
- Reviewed **model output to improve AI training datasets**, contributing to **enhanced ML model accuracy and performance**.
- Ensured **secure handling of sensitive information** in compliance with **data privacy regulations**.