

Daniel Cisneros

Orlando, FL | danielcisneros26@gmail.com | **Portfolio & LinkedIn:** danielcisneros.dev

Summary

Graduate student in Statistics and Data Science with a B.S. in Computer Science. Strong background in data analysis, statistical modeling, predictive analysis, and machine learning using Python, R, and SQL.

Education

University of Central Florida **Orlando, FL**
Master of Science in Statistics and Data Science
May 2027
Related Coursework: Regression Analysis, Statistical Computing, Experimental Design

University of Central Florida **Orlando, FL**
Bachelor of Science in Computer Science, Minor in Mathematics
May 2022
Related Coursework: Machine Learning, AI, Database Systems, Advance Design and Data Structures

Google Data Analytics Professional Certificate April 2025

Experience

U.S. DOT Volpe National Transportation Systems Center
Data Scientist Intern June 2026 – Present

- Optimized MARINE-T R workflows by migrating from `dplyr` to `data.table` and applying algebraic improvements, achieving approximately $4\times$ faster execution while validating model accuracy
- Analyzed port congestion and vessel velocity trends using Python and SQL, implemented dynamic thresholds, and created module documentation for TOC modernization
- Improved FRA grant-processing automation and MNAAP database validation by resolving data-retrieval issues, adding failure logging, and enforcing database constraints

University of Central Florida
Graduate Teaching Assistant August 2025 – May 2026

- Teach and support undergraduate Statistical Methods courses through grading, office hours, and student instruction

Welocalize
Search Quality Rater August 2024 – Present

- Evaluate AI-generated search results for relevance, accuracy, user intent, and content quality

Projects

Energy Efficiency Regression Analysis

- Performed EDA, diagnostics, and feature analysis on UCI Energy Efficiency dataset
- Built regression and Random Forest models to predict heating and cooling loads achieving $R^2 \approx 0.997$

Titanic Survival Prediction (Kaggle)

- Achieved $\approx 85\%$ accuracy through feature engineering and data preprocessing
- Created classification models using Decision Trees and Random Forests

Simulated Swarm Drone System (Lockheed Martin Sponsored)

- Developed autonomous drone swarm simulation using ROS, Gazebo, SLAM, and YOLOv5
- Applied machine learning and computer vision techniques for search-and-detection tasks

Technical Skills

Languages: Python, R, SQL, C, Java, HTML/CSS

Data & ML: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, OpenCV, PySpark, data.table

Data & Visualization: Matplotlib, Seaborn, ggplot, Excel, Streamlit, Databricks

Databases: SQLite, DuckDB, DBeaver

Tools & OS: Jupyter Notebook, GitHub, VS Code, Google Colab, Linux, Windows, macOS