

Erika Noelle Gutierrez

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[LinkedIn Profile](#)

[Portfolio Website](#)

PROFESSIONAL EXPERIENCE

Metrion LLC

Data Science Consultant

United States

November 2023 – Present

United Nations Satellite Centre

- Led integration of artificial intelligence into satellite imagery analytics workflows, reducing building-level damage assessment analysis production time 6x
- Presented this project at EPFL's Applied Machine Learning Days 2025, highlighting its real-world application in high-stakes, globally distributed disaster response scenarios

Rowan Williams Davies & Irwin Inc

- Engineered scalable data pipelines in Python for environmental, geospatial, and social variables powering machine learning models to monitor urban heat risk

World Bank – Office of the Chief Economist: Infrastructure Practice

- Developed logistic regression models to estimate the likelihood and replacement cost of cell tower damage in conflict zones, leveraging environmental and socioeconomic data

UK Foreign, Commonwealth & Development Office – Conflict & Stabilization

- Enhanced a political conflict forecasting model by upscaling low-frequency data and creating visualizations, improving insights communication and contextual understanding

Julius Education

- Built Google Cloud based data analytics pipelines to identify resilience gaps in regional clean energy workforce training programs, supporting long-term adaptation strategies

RE Tech Advisors (a Blackstone company)

Analytics Associate

Washington D.C., United States

February 2021 – May 2022

- Optimized data collection process to expand resource consumption reporting using HTTP request methods, reducing aggregation time by 95% per commercial property
- Created capital project tracking tools to quantify returns on resource efficiency retrofits across commercial real estate portfolios resulting in new dashboard product line

Data Analyst

June 2019 – February 2021

- Improved accuracy by 75% in determining energy consumption reporting requirements to government jurisdictions through the development of geospatial tools
- Presented workshops on firm analytics tools to an online audience of over 50 people
- Led energy and water consumption data processes end-to-end for 10+ real estate clients demonstrating understanding of building science and ESG disclosure

EDUCATION

Barcelona School of Economics

Master Program in Data Science for Decision Making

Barcelona, Spain

September 2022 - July 2023

Thesis: Forecasting Bikeshare Hourly Demand Using Graph Convolutional Neural Networks

University of Florida

B.A. Economics, Minor in Sustainability, Certificate in GIS

Gainesville, FL, United States

August 2017 – May 2019

Thesis: Evaluating Effectiveness of Energy Efficiency Rebate Programs Using OLS Regression

SKILLS

Software: Python, R, SQL, SQL Server Management Studio, Git, Google Cloud Platform (GCP), Excel, Power BI, ArcGIS, QGIS, API Management, HTML, Microsoft Office

Languages: English (native), Spanish (fluent), German (advanced)