Ian Maywar

New York, NY • ijmaywar@gmail.com • +1 (585) 451-3356 • https://www.ianmaywar.com

Summary

Data scientist with experience building analytical workflows for large, complex datasets and developing statistical and machine learning models to extract actionable insights. Background in experimentation, time-series analysis, and geospatial data, with an ability to translate statistics and model outputs into clear narratives for stakeholders.

Experience

Senior Associate, Data Science
Jan 2026 – Present
Omnicom – New York, NY
- Machine learning and statistical modeling for audience segmentation and extension.
- ETL data from client cloud storage platforms and building tools for data processing, visualization, and analysis.

Research Associate (Data Scientist)
Feb 2025 – Jan 2026
The City University of New York – New York, NY
- Designed Python-based ETL and analysis workflows for 300M+ global observations from the NASA GLOBE program, integrating satellite and in-situ sensor data to assess data quality, bias, and validity.
- Communicated insights and recommendations to NASA program leadership through technical reports, visualizations, and presentations to inform program strategy and data governance.

DEVELOP Researcher (Geospatial Data Analyst)
Jan 2025 – Apr 2025
NASA – Remote
- Conducted quantitative analysis of urban heat vulnerability in Chatham County, Georgia using Python and QGIS, combining satellite imagery, climate indicators, and demographic data.
- Designed metrics and ran models to characterize vulnerability, working in tandem with the county government.

Graduate Research Assistant (Data Scientist)
Aug 2022 – Dec 2024
Stony Brook University – Stony Brook, NY
- Modeled and analyzed 40 longitudinal environmental metrics in R and Python to assess ecosystem health in the New York Bight, producing a technical report for the New York State Department of Environmental Conservation.
- Analyzed 55,000+ hours of high-frequency GPS and accelerometer data using advanced statistical and machine learning methods to infer behavioral states and movement dynamics of seabirds.

Research Assistant (Lab Manager)
Sep 2021 – May 2022
Brown University – Providence, RI
- Developed and executed laboratory protocols for the dietary analysis of Yellowstone National Park herbivores.
- Managed laboratory resources, curated research datasets, and led technical training for undergraduate researchers.

Education

Stony Brook University, Stony Brook, NY
Aug 2022 – Dec 2024
- Master of Science in Marine and Atmospheric Sciences, 3.96/4.00 GPA.

Skidmore College, Saratoga Springs, NY
Sep 2017 – May 2021
- Bachelor of Arts in Mathematics (honors), Bachelor of Arts in Biology (honors), *summa cum laude,* 3.91/4.00 GPA.

Skills

Programming Languages: Python (Pandas, NumPy, SciPy, Statsmodels, scikit-learn, Matplotlib, Seaborn, Cartopy), R (tidyverse, terra, ggplot2, lme4, mgcv), SQL (Postgres).
Software & Platforms: VS Code, JupyterLab, Colab, Git/GitHub, ArcGIS, QGIS, Microsoft Suite, Google Workspace.
Methods: Statistical modeling, machine learning, data visualization, timeseries analysis, hypothesis testing, research design.