

Gordon Blasco

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Professional Experience

IBM Corporation

Sr. Data Scientist – Veterans Affairs

(1yr.) 2024-Present

- Managing an agile data product team of 7 consisting of data engineers, data scientists, and Power BI developers that design tools spanning ingestion to insights for non-technically staffed business lines at VA
- Designing and implementing data science research projects to identify racial disparities and establish KPIs that track progress on correcting these for the awards of healthcare benefits within Veterans Affairs
- Conducting analysis on large datasets using PySpark, SQL, and scikit-learn on Azure cloud with Databricks

Sr. Data Scientist - United States Postal Service

(1 yr.) 2023-2024

- Assisted the Postal Service with data modernization efforts, including transitioning to a containerized cloud computing instance (Docker/Azure), implementing routine analysis into automated data pipelines (DBT/Airflow) to reduce hours of work per week in manual data transformations and improve data quality
- Used Bayesian hierarchical modeling to predict mail delays from historical performance of deliveries to improve on-time performance with carrier and route suggestions for new incoming mail
- Used uni-variate Prophet models to forecast mail volume peaks to improve commissioned volume estimates leading to fewer last-minute high-cost aircraft volume procurements

Data Scientist - Healthcare Agencies

(1.5 yrs.) 2021-2023

- Modeled excess hospitalizations attributable to extreme heat using distributed lag non-linear models for a report commissioned by the Office of Climate Change and Health Equity
- Created a production-quality data dashboard using R Shiny that is now sold as a data product to hospital groups to monitor and improve outreach to patients more affected by social determinants of health
- Designed and implemented a report generation tool for a complex and heterogeneous input that led to decreased processing time on data creation tasks
- Translated and migrated healthcare fraud detection SQL queries from Snowflake to Databricks

National Center for Ecological Analysis and Synthesis

Data Scientist

(2 yrs.) 2019 - 2021

- Lead and supported the preparation of scientific manuscripts focused on human impacts on natural systems using R for analysis and GitHub to publish reproducible code (selected publications below)

Skills

Python, R, SQL, Git, Spark, Databricks - Proficient in all stages of the data pipeline, including data preparation, exploratory analysis (NumPy and Pandas), hypothesis refinement, inferential and predictive modeling (scikit-learn, TensorFlow, PyTorch), and dashboard creation (R Shiny, Power BI). **5 years experience**

Education

M.S. in Computer Science – Part time, in progress

Estimated graduation date 2026

Georgia Institute of Technology

B.S. in Environmental Studies – Graduate level coursework in data analysis

2019

University of California Santa Barbara

Selected Publications

Blasco, G.D., et al. (2020). Substantial gaps in the current fisheries data landscape. *Frontiers in Marine Science*.

Tuholske, C., Halpern, B.S., **Blasco, G.D.**, et al. (2021). Mapping global inputs and impacts of human sewage in coastal ecosystems. *PLOS One*.

Clawson, G., Kuempel, C.D., Frazier, M., **Blasco, G.D.**, et al. (2021). Mapping the spatial distribution of global mariculture production. *Aquaculture*.