

Daniel Varela Perez Mexico City, MX | bedaniele0@gmail.com | +52 55 4189 3428
GitHub: <https://github.com/bedaniele0> | LinkedIn: <https://linkedin.com/in/daniel-varela-perez>
Availability: Open to remote roles (full-time, contract, freelance)

PROFILE Applied Data Scientist (Production ML) with end-to-end experience: problem framing, data preparation, modeling, validation, deployment (API and batch), and monitoring (drift, performance). Focus on reproducibility, traceability, observability, and runbooks.

CORE SKILLS Python, SQL, pandas, NumPy, scikit-learn, LightGBM, XGBoost, MLflow, FastAPI, Streamlit, Docker, Git, pytest, model monitoring, drift detection, backtesting, threshold optimization

PROJECT HIGHLIGHTS Fraud Detection (E2E): ROC-AUC 95.28%, Precision 93.62%, Recall 72.13%. API + dashboard. Credit Risk Scoring (E2E): AUC 78.13%, KS 42.51%, Recall 87.04%, Brier 0.1349. Cost-based threshold. Demand Forecasting (E2E): MAE 0.6845, RMSE 3.9554, MAPE 52.75% (batch N=28,000). Temporal backtesting. User Score (Batch): drift (PSI) and performance monitoring (MAE/R2) with operational runbook. Portfolio: <https://github.com/bedaniele0/data-science-portfolio>

EXPERIENCE ML Engineer / Applied Scientist (Production ML Portfolio) | Independent | 2024 - Present - Built reproducible pipelines for training, evaluation, and serving (API/batch) with artifact and experiment tracking. - Implemented data/model monitoring (drift, performance) and operational documentation (runbooks). - Delivered demos with FastAPI + Streamlit, and automated testing with pytest.

Founder & Technical Consultant | MacDaniels | 2019 - Present - Handle 2 to 3 tickets per day across Mac and Windows environments with ~2-hour average resolution time. - Perform structured diagnosis and root-cause analysis; document and standardize procedures. - Use AI to accelerate diagnosis and responses; improved client communication and satisfaction.

EDUCATION Continuous learning in Data Science and Machine Learning (Udemy and self-study).

LANGUAGES Spanish: Native English: Technical (documentation; conference support with real-time translation tools)