

Davide Baino

Senior Data Analyst specializing in machine learning, predictive modeling and scalable data pipelines using Python, SQL and Azure to deliver business insights.

WORK EXPERIENCE

Nestle', London, UK

Senior Data Analyst / Data Engineer 12/2021 – 09/2024

- Developed a time series forecasting model comparing LSTM and Facebook Prophet to analyze coffee sales seasonality (MSE < 5%), achieving a 15% improvement in demand planning over traditional finance forecasts.
- Built and deployed predictive maintenance algorithms for Nestlé's fleet vehicles with Python, leveraging Decision Trees and Support Vector Machines for early failure detection through advanced pre-processing and outlier detection.
- Designed scalable data pipelines with Azure Data Factory and Snowflake, integrating financial datasets via SQL and Python, reducing storage costs and enhancing data flow efficiency for the UK division.

Nestle' Health Science, London, UK

Data analyst 11/2020 – 12/2021

- Built forecasting models using ARIMA and regression techniques to provide actionable insights to the UK Health Science leadership team, accurately predicting population growth and inflation impacts on consumer behavior (baby forecast accuracy ±5%).
- Developed an automated data pipeline strategy with SQL and Power Query for live NHS data ingestion, integrating robust data validation, anomaly detection, and quality management processes to ensure reliable insights for healthcare decision-making.

PROJECTS

Neuroscience DT, London, UK

Start-up collaboration 11/2024 – Present

- Analyzed and leveraged HRV data and wearable device metrics to predict and classify patients' stress levels.
- Currently strategizing the integration of large language models (LLMs) to deliver personalized insights and actionable recommendations to patients.

UNIVERSITY PROJECT

Deep Learning Module Project

12/2024

- Developed a text classification pipeline using pre-trained GloVe embeddings and PyTorch, incorporating neural network training, and performance visualization. Strengthened expertise in embedding utilization and neural network-based NLP solutions.

CONTACT

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SKILLS

Hard Skills:

- Data Analysis (Advanced)
- Reporting (Advanced)
- Debugging
- Modeling
- Data Visualization

Techniques:

- Predictive Analytics and time-series forecasting
- Machine learning (LSTM, Arima, Decision Trees and SVM)
- Natural Language Processing (text classification with GloVe embeddings and PyTorch).

Tools:

- Python
- C++
- SQL
- Git
- Azure Data Factory
- Power Bi

EDUCATION

Imperial College London

MSc Data Science and Machine Learning

London, UK 09/2014 - 09/2015

Deep learning, Machine Learning, Inversion and Optimisation, Computational Mathematics, Advanced Programming and Big Data Analytics

OTHER

- Volleyball coach and player.
- English teacher in Vietnam.
- Boy scout lead.