Jose **Rico**

Pricing Analyst | MSc Data Analytics

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Experience

Cardinal Health — *Dublin, Ireland*

Senior Pricing Analyst — *Apr. 2020 – Present*

- Developed and automated pricing intelligence reports using advanced SQL and Python, improving pricing accuracy by 12% and reducing manual reporting time by 40% across an international supply chain.
- Built dynamic dashboards in Power BI integrated with Python and SQL pipelines, enabling real-time tracking of KPIs (e.g., invoice disputes, backorders), which reduced dispute resolution time by 25%.
- Implemented SAP-integrated validation scripts and automated pricing workflows using Python and SQL, decreasing pricing errors on tenders and offers by 18%.
- Enhanced historical pricing forecast models by implementing MapReduce algorithms on the Hadoop cluster, accelerating data retrieval and improving forecasting accuracy by 10%.
- Developed a Python-based validation script to verify data integrity during the migration from the legacy ERP pricing system to Salesforce, ensuring accurate and consistent transfer of pricing records.

Facebook by CPL — *Dublin, Ireland*

Community Operations Analyst — *Jan. 2019 – Mar. 2020*

- Enhanced image classification accuracy by 30% through meticulous image labeling and data annotation, contributing to the training of a Convolutional Neural Network (CNN) for improved content moderation and classification.
- Improved sentiment analysis model accuracy by 10% by classifying Facebook posts using the NLTK toolkit, enabling better detection of sentiment across user-generated content and enhancing automated content filtering.
- Classified Spanish-language messages to train a Large Language Model (LLM), resulting in a 20% improvement in model accuracy for automating the identification of user intent and content categorization in Spanish-speaking communities.

Puertas Castalla, S.L. — *Alicante, Spain*

Account Manager → Claims Manager — *Oct. 2014 – Oct. 2018*

- Managed orders, inventory, and supply for 200+ client accounts, reducing delivery delays by 25% through improved stock control and forecasting.
- Strengthened customer retention by 30% through proactive communication, personalised support, and fast resolution of escalations.
- Reduced fraudulent claims by 40% by implementing preventive controls and investigating suspicious brand misuse cases.
- Improved production efficiency by 18% by analysing operational data and streamlining workflows based on customer feedback.
- Led ISO certification efforts, developing and deploying internal quality and environmental standards in compliance with ISO 9001:2015 and ISO 14001:2015.

Skills

Big Data: Hadoop, Spark, Hive
Web Tech: HTML5, JS, CSS
Languages: SQL, Python, R, C
Databases: MySQL, MongoDB, Cassandra
Tools: Power BI, Tableau, SAP, Salesforce, GitHub, LaTeX
ML Libraries: TensorFlow, PyTorch, Scikit-Learn, Keras

Education

Master of Science in Data Analytics (Level 9 NFQ) — *Sept. 2023 - Oct. 2024*

CCT College — *Dublin, Ireland*

Higher Diploma in Science in Computing-Software Development (Level 8 NFQ) — *Sept. 2020 - Sept. 2022*

Dublin Business School — *Dublin, Ireland*

Diploma in Big Data for Business (Level 7 NFQ) — *Sept. 2019 - May. 2020*

Dublin Business School — *Dublin, Ireland*

Bachelor's Degree in Business & Management (Level 6 EQF) — *Sept. 2010 - Jun. 2016*

University of Alicante — *Alicante, Spain*

Projects

Dublin Bus App — *Project Link*

Real-time visualisation of Dublin Bus locations using JSON-formatted APIs from the National Transport Authority and Folium for dynamic geospatial mapping.

Crypto Predictor — *Project Link*

ML-powered app forecasting cryptocurrency prices using historical data from Yahoo Finance and CoinGecko APIs. Implements LSTM models, real-time data ingestion, and interactive visualisations for time-series analysis.

Statistics Calculator — *Project Link*

Interactive tool for conducting key statistical analyses including confidence intervals, significance testing, and normality checks. Built with NumPy, SciPy, and Matplotlib to enable precise computations, visual diagnostics, and data-driven hypothesis testing.

Federated Learning, Framework Evaluation and Horizontal Server Development — *Project Link*

Explored technological (NN on structured data) and medical (CNN on image data) scenarios under IID/non-IID settings. Achieved improved accuracy in the technological non-IID case (58.07% to 66.21%), with a slight drop in the medical case (87.69% to 86.01%).