Raul Bermejo

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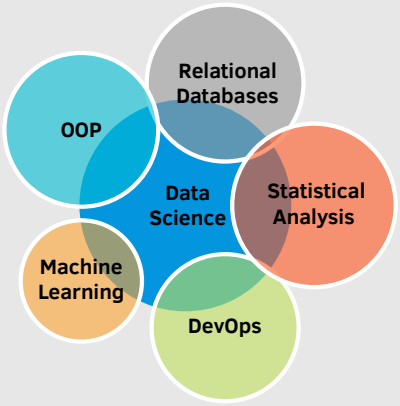
raul-bermejo

Technical Skills

Overview



Programming/Software

Python • AWS • GHA • SQL • Spark

dbt • ScikitLearn • NLP • R • Tableau

Matlab • Azure • C++ • Airflow

Education

BSc. (Hons.), Astrophysics (GPA: 90%)
Specialization: Computational Cosmology
University of Groningen
Sep 2016 - Feb 2020
Groningen, the Netherlands

BA., Philosophy of Physics (GPA: 85%)
Specialization: Quantum Gravity
University of Groningen
Apr 2017 - Jan 2020
Groningen, the Netherlands

Summary

A passionate data professional with 3+ years of academic and industry experience in data science and data engineering. I thrive by engineering analytics and AI/ML solutions to solve real world problems that produce insights for organizations. I also enjoy crafting data visualisation tools that allow organizations to make better data-driven decisions.

Experience

Aug 2022 - Present — **Data Engineer** — Versent, Brisbane, AU
- Building and deploying data platforms on Databricks
- Automating data ingestion and Lakehouse management with PySpark
- Building reproducible and scalable ETL/ELT pipelines with dbt

Oct 2021 - Jul 2022 — **Data Scientist (Contractor)** — Remote
- Completed various commercial projects for clients such as the University of Melbourne and Multitudes (NZ-based startup)
- Models implemented were focused on commercial application and product development, including linear regression, logistic regression, outlier detection, and ML classification

March 2021 - Sept 2021 — **Data Engineer** — Ministry for the Environment, Wellington, NZ
- Acted as the Technical Owner of the Ministry's Data Warehouse
- Introduced DataOps practices to the Ministry's Data Management Strategy
- Developed and maintained the Ministry's Data Warehouse (adhering to Data Vault 2.0)
- Documented and oversaw the lifecycle of digital assets

May 2020 - Nov 2020 — **Data Scientist** — Intelligent Fiber Optic Systems (IFOS), San Jose CA
- Designed and implemented mathematical models in Python to produce the output of state-of-the-art sensors: temperature, pressure and strain
- Implemented statistical models: frequency-space, linear and non-linear regression
- Created reports, documented software, and firmware assets

Apr 2019- Feb 2020 — **Research Assistant** — University of Groningen, the Netherlands
- Worked in the Computational Cosmology group, building models to analyze big data (N-body) simulations of dark matter
- Visualized and interpreted results from these simulations and presented results to colleagues and public

Technical Certifications

- **AWS Certified Machine Learning – Specialty** — *Amazon Web Services*
- **Associate Developer for Apache Spark 3.0** — *Databricks*
- **Advanced GitHub Actions** — *LinkedIn Learning*
- **GitHub Actions for CI/CD** — *LinkedIn Learning*

Languages

Spanish: Native
German: Fluent
English: Native level
Dutch: Basic