

Raul Bermejo



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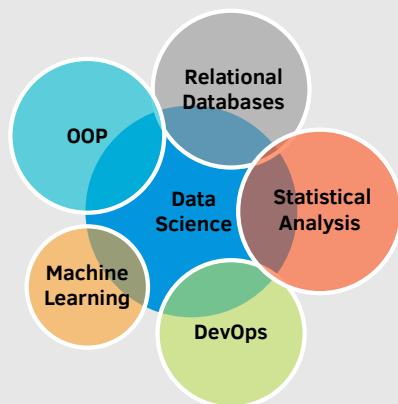


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raul-bermejo

Technical Skills — Overview



Programming/Software

Python • AWS • SQL • Tableau • Git

Spark • ScikitLearn • NLP • R

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 engineering. I thrive by using predictive analytics and AI/ML 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 Databricks platforms
- Automating data ingestion and Lakehouse management with PySpark

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

- Databases: Advanced Topics in SQL
- Advanced Programming in C++
- Natural Language Processing in Python

Stanford Online

New York University

DataCamp

Languages

Spanish: Native
German: Fluent

English: Native level
Dutch: Basic