

Contact

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linkedin.com/in/rildo-demarqui
rdemarqui.github.io (Portfolio)

Top Skills

Machine Learning

Data Science

SQL

Languages

Portuguese (Native or Bilingual)

English (Full Professional)

Spanish (Professional Working)

Rildo Demarqui Pereira

Machine Learning | Data Science | Analytics | Python | SQL | Power BI
São Paulo, São Paulo, Brazil

Summary

Since 2008 working as an engineer in telecommunications sector. Experienced in applying data-driven approaches to solve complicated and ambiguous business problems.

I hold a degree in electrical engineering, an MBA from IBMEC, and a specialization in artificial intelligence from Poli-USP.

I have expertise in data visualization and in various machine learning solutions such as classification, regression, clustering, time series analysis, explainable AI (XAI), natural language processing (NLP) and computer vision. Currently, I'm studying cloud environments with the aim of deploying models into production.

Tools: Python, Git, Power BI, BigQuery (GCP), SQL, Excel, VBA.

For more information, please visit my portfolio at:
rdemarqui.github.io

Experience

TIM Brasil

15 years 6 months

Specialist

November 2019 - Present (3 years 11 months)

São Paulo, Brasil

Development of Machine Learning models to extract insights related to customer satisfaction (NPS). Creation of metrics and visualizations for end-to-end customer journey monitoring, collaborating with business departments to understand customer needs and technical teams to map the involved infrastructure. Writing scripts to process large volumes of data from various sources, implementing performance indicators, and building technical and executive dashboards to streamline data interpretation for informed decision-making. Conducting ad-hoc exploratory and explanatory analyses.

Senior Engineer

November 2014 - November 2019 (5 years 1 month)

São Paulo, Brazil

I played a role in monitoring and analyzing the performance of voice and data networks, covering GSM, UMTS, and LTE technologies, with a focus on suppliers Ericsson, Nokia, and Huawei. I defined thresholds and statistical methods for performance monitoring, regularly producing presentations, studies, and technical reports. Additionally, I developed tools in VBA and Access to optimize managerial reports.

Engineer

January 2009 - November 2014 (5 years 11 months)

Rio de Janeiro, Brazil

I built scenarios based on the Marketing traffic demand assumptions. I was also responsible for the three-year budget planning of the Access Network, representing approximately 20% of the company's CAPEX. Additionally, I prepared technical-economic presentations and reports for the board of directors and investment committee, and I contributed to the creation and revision of the financial forecast.

Junior Engineer

April 2008 - December 2008 (9 months)

São Paulo, Brazil

I was involved in network optimization projects, including the design of outdoor sites to improve coverage, capacity, and expansion to new municipalities. I also conducted RF planning, covering aspects such as link budget, prediction, antenna design, and propagation. Additionally, I was responsible for voice and data traffic balancing and the physical and logical optimization of the GSM network, using statistical KPI analysis and drive tests.

Education

Escola Politécnica da USP

Specialization, Artificial Intelligence · (2020 - 2021)

IBMEC

MBA, Business Management · (2012 - 2014)

Centro Universitário Radial

Graduate, Electrical Engineering · (2003 - 2007)