Contact

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

Languages

Portuguese (Native or Bilingual)
English (Full Professional)
Spanish (Professional Working)

Certifications

Foundations of Causality
Data Scientist Training
Six Sigma Yellow Belt

Honors-Awards

Best Course Conclusion Papers

Rildo Demarqui Pereira

Machine Learning | Data Science | Analytics
São Paulo, São Paulo, Brazil

Summary

Since 2008, working as an engineer in the telecommunications sector. Experienced in applying data-driven methodologies to tackle challenging business problems.

Graduated in electrical engineering, MBA from IBMEC, and specialization in artificial intelligence from Poli-USP.

Proficient in data extraction, analysis, and visualization. Expertise in diverse machine learning techniques including classification, regression, clustering, time series analysis, explainable AI (XAI) and natural language processing (NLP). Currently studying cloud environments with the aim of deploying models in production.

Tools: Python, SQL, Git, Power BI, GCP (BigQuery and Vertex AI), Jupyter Notebook among others.

Experience

TIM Brasil
16 years 2 months

Specialist
November 2019 - Present (4 years 7 months) São Paulo, Brasil

Utilization of advanced Machine Learning methodologies and open-source generative models, such as speech-to-text and Large Language Models (LLM), to extract actionable insights pertaining to customer behavior and satisfaction. Cross-functional collaboration with various business units to conceptualize and implement performance metrics and executive-level dashboards, facilitating data-driven decision-making processes. Writing Python scripts to efficiently process vast and diverse datasets. Conducting ad-hoc exploratory and explanatory data analyses, addressing complex investigative challenges and delivering strategic business recommendations to stakeholders across diverse organizational levels.

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)