

Andryas Wawrzenczak

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Professional Summary

Results-driven Data Scientist with 7+ years of experience in building scalable data solutions, including machine learning models, data pipelines, and interactive dashboards. Adept at translating complex data into actionable business insights for industries such as e-commerce and real estate. Proven track record of designing and implementing ETL pipelines, conducting statistical modeling, and developing end-to-end solutions using R, Python, and cloud platforms like AWS. Strong expertise in creating interactive data applications using Shiny, empowering decision-makers with real-time analytics. Passionate about leveraging data to drive strategic decisions and deliver measurable business impact.

Technical Skills

Languages: R, Python, SQL, Bash, C++

Data Science & Machine Learning: scikit-learn, TensorFlow, Keras, XGBoost, Spark, Caret

Data Visualization: ggplot2, matplotlib, seaborn, Plotly, echart4r

Databases: MySQL, PostgreSQL, MongoDB, Elasticsearch

Web Development: HTML, CSS, JavaScript

Data Engineering & Cloud: AWS (EC2, S3), GCP, Docker, Hadoop, Spark, Rabbitmq, CI/CD, Airflow

Tools & Platforms: Github, Gitlab, Homebrew, Git, RStudio, Jupyter Notebooks, Shiny, Shinyproxy, Shinyserver, RMarkdown, Linux, \LaTeX

Education

FEDERAL UNIVERSITY OF PARANÁ

2014 - 2019

BS in Statistics, GPA: 7.4/10, [Courses/Projects](#) [🔗](#)

Professional Experience

3 most recent experiences – access my website to see all

Data Scientist

São Paulo, BR

Capital

Oct 2021 - Now

- Developed and implemented machine learning models for dynamic pricing and personalized property recommendations.
- Developed and currently maintain a Shiny-based software solution that structures the entire asset valuation pipeline from scratch. This software supports the company's origination pipeline, enabling project viability assessments, real estate market analysis, and urban accessibility analysis, serving as a critical tool for strategic decision-making.
- Responsible for overseeing all technical aspects within the organization, including infrastructure, software development, and IT operations.

Data Scientist — Consultant

Mexico City, MX

Gaia

May 2022 – Dec 2023

- Built a scalable architecture on AWS to crawl e-commerce platforms and other data sources using Python, storing the collected information in a MySQL database for further analysis and reporting.
- Developed a dynamic pricing optimization tool leveraging A/B testing to assess and implement effective pricing strategies, driving data-driven decision-making and enhancing profitability.
- Developed comprehensive forecasts for the entire product catalog using time-series models and a top-down approach, enhancing inventory management and strategic planning.

Data Scientist

Kzas

São Paulo, BR

Apr 2021 – Sep 2021

- Designed and implemented a robust web scraping architecture to collect real estate data from multiple websites, processing over 1 million listings weekly on AWS. Developed a Python-based data pipeline to standardize and enrich the collected data, storing it efficiently in Elasticsearch and MongoDB databases for real-time querying and analysis.
- Deployed a machine learning model through an API to accurately price properties in the city of São Paulo, enabling seamless integration of predictive analytics into real estate platforms.
- Developed a user-friendly Shiny app with a dynamic interface, enabling seamless interaction with the machine learning model for property pricing, enhancing user experience and decision-making.

Certifications

Data Science Hackathon in Car Valuation

2018

LEG UFPR [Github](#) 

Interactive Tool for Studying Probability Models

2018

RBRAS [Github](#) 

Languages

Languages: Portuguese (Native), English (Fluent - C1), French (Basic - A1)