HENRIQUE SCHALL

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SKILLS SUMMARY

Languages: Python, R, C/C++, SQL, Swift, Kotlin.

Frameworks: Pandas, Numpy, Scikit-Learn, Matplotlib, Statsmodels, Pytorch, Beautiful Soup, PyGwalk, Seaborm, Plotly, Geoplotlib, Pygal, BERT, Tidyverse, Timetk, PySpark, TimeGPT, Scipy, TensorFlow, Gwalk

Tools: Tableau, Excel, PowerBI, AWS, Google Cloud Platform (GCP), Databricks, Microsoft Fabric, Stata.

Models: Machine Learning, Deep Learning, Neural Networks, Panel Data, Time Series, Large Language Models (LLMs), Natural Language Processing (NLP), Quantitative Finance.

WORK EXPERIENCE

Rio Bravo Investments — São Paulo, SP, Brazil
Internship in Data Analyst — March 2018 - August 2018
Tasks Performed:

- Data analysis and structuring.
- Validating model results.
- Creating dashboards

Rio Bravo Investments — São Paulo, SP, Brazil
Junior Analyst in Data Analyst — September 2018 - March 2019
Tasks Performed:

- Development of models for forecasting economic indicators
- Preparation of reports for dissemination of results

XP Inc. — São Paulo, SP, Brazil
Data Analyst — April 2019 – March 2020
Tasks Performed:

- Develop financial models and tactics to mitigate risks in operations.
- Analysis of decentralized assets.
- Research and preparation of reports and presentations.

Cognizant — London, United Kingdom
Data Scientist — August 2023 – November 2024
Tasks Performed:

- Development of models to assist customers in decision-making.
- Implementation of solutions based on cloud computing (AWS/GCP) and IA (NLP/LLM), for data analysis and process automation.
- Modernization of processes and adoption of new technologies.

CERTIFICATES

- Times Series with R and Python (Udemy, 2020)
- Machine Learning and Deep Learning with Python (IA Expert Academy, 2022)
- Cloud Platform Data Analytics (Google, 2023)
- Certified Solutions Architect (AWS, 2024)
- Data Analyst Associate (Databricks, 2025)
- Generative AI Engineer (Databricks, 2025)
- Large Language Models (LLM) with Python (Datacamp, 2025)
- Natural Language Processing (NLP) with Python (Datacamp, 2025)
- Machine Learning Certificate (eCornell, 2025)

MAIN PROJECTS

Returner of Optimized Value (ROV) - Link — June 2024 – Present
Python code for analyzing financial models

- Calculate financial and statistical indicators: EVA, NOPAT, WACC, CAPM, mean, variance, covariance and standard deviation.
- Portfolio management for stocks and bonds.

Macroeconomic Analysis - Link — January 2025 – Present
R code for conjecture analysis

- Calculate macroeconomic indicators: GDP, PMI, Inflation, Interest rates.

EDUCATION

University Campinas State
Associate of Applied Science (AAS), Systems Analysis and Developement

University of Brazilian Capital Market Institute (IBMEC)
Bachelor of Science (BSc), Economics.