



# DANIEL RUIZ

## DATA SCIENTIST & ML ENGINEER

Databricks, Azure, & Scrum Certified

I make AI create value for your company!

### DETAILS

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Citizenship: Italian (EU)

Residence: Amsterdam, NL

### ABOUT ME

Daniel is here to **solve your problems with AIML and MLOPS**. He is a proven **Data Scientist** and **Machine Learning Engineer** with a strong background in **Azure** and **Databricks**. He has experience in Finance, Retail, Transportation, Education, Healthcare, and Energy. He has **developed** and **productionized ML models** with different architectures and has delivered **E2E ML transformations**. He's a **team player**, and he holds an Azure Expert and 4 Azure Associate certifications.

### LANGUAGES

Portuguese	Native
English	Fluent
Italian	Fluent
German	Intermediate

## EXPERIENCE

### Machine Learning Engineer (Consultant), Devoteam, Amsterdam, 2022-Now

- Developed models for Energy and Gas consumption forecasting, and deployment systems and processes to bring them into production. Leveraged Azure Machine Learning to make customer-specific models.
- Guided and oriented teams on Software Engineering best practices to model development (Source Control, CI/CD, MLOPS, etc.).
- **Stack:** AML, ADO/Git/Pipelines, Databricks, Snowflake, Linux/Bash, PyTest, Pre-Commit, Streamlit, MLflow, PySpark, SQL, Agile/Scrum.

### Machine Learning Engineer (Senior Analyst), Avanade, Hamburg, 2020-2022

- Developed MLOPS systems and processes for a pharmaceutical company, helping to expedite and safeguard different stages of Drug Development.
- Developed a model using state-of-the-art tree algorithms to input missing data on proprietary datasets, achieving 99.999% accuracy on out-of-sample data.
- **Stack:** AML, ADO/Git/Pipelines, Databricks, Linux/Bash, Docker, PyTest, MissingPy, TensorFlow, MLflow, PySpark, Scikit-Learn, SQL, Agile/Scrum.

### Cloud Migration Consultant, NDA (Healthtech), Toronto, Fall 2020

- Mapped the cloud migration process of a high-profile Canadian tech company, interviewing multiple teams and stakeholders involved in the process.
- Identified bottlenecks and low-hanging fruits that could expedite the migration process, as well as risks. This was a semester-long interaction as part of an MBA class at Rotman School of Commerce, in Toronto.
- **Stack:** LucidChart, Qualitative Interviewing, Process Mining, MS Office.

### CLM Graduate Intern, Deutsche Bank, Frankfurt, Summer 2019

- Supported CLM, AML, and KYC activities to meet regulatory demands.
- Participated in multiple activities in Commercial Banking Operations, Tech, and Analytics.
- **Stack:** Microsoft Office, Excel, Proprietary Software.

### Pricing Analyst, Kroton, São Paulo, Summer and Fall 2018

- Used regression models to analyze competition and provide insight to the pricing strategy of 4k new products and readjust existing products. Kroton has circa 1 million students affected by pricing decisions.
- Automated the daily reporting and emailing of targets, minimizing human inputs and reducing update time by 90%.
- **Stack:** Microsoft Office, Excel VBA, Power BI, Agile/Scrum.

### Equity Research Intern, Morgan Stanley, São Paulo, 2017

- Developed and updated financial and statistical models and performed fundamental analysis and valuation of over 40 companies in Aviation, Infrastructure, Retail, and Pharma sectors. Supported two IPOs.
- Prepared actionable reports and participated in calls with C-level executives.
- Automated financial reports using Eikon & VBA, reducing update time by 90%.
- **Stack:** Microsoft Office, Excel VBA, Bloomberg, Thomson Reuters Eikon.

## GENERAL SKILLS

Data Science, Modelling, NLP, Machine Learning, Software Engineering, MLOPS, Data Visualization, Data Engineering, Scrum/Agile, DevOps, Source Control, Teamwork, Rapid Learning.

## TECHNICAL SKILLS

Platforms	Airflow, Anaconda, Azure, AWS, Databricks, GitHub, Jira, Snowflake
Programming	Python, SQL, Linux/Bash, Stata, R, Octave, Power BI, Kubernetes, Docker, APIs, Git
Python	Pandas, NumPy, Scikit-Learn, Matplotlib, MissingPy, TensorFlow, PyTorch, Streamlit, etc
Machine Learning	Azure Machine Learning, PyTorch, PySpark, TensorFlow, AML, Scikit-Learn, Jupyter, Forecasting, NLP, AutoML
Others	Terraform/ARM, Scrum/Agile

## HOBBIES AND INTERESTS

Data & AI, Italian literature, museums, outdoor sports, hiking, running (10km and 21km), travelling, and meeting friends.

- Elaborated presentations and revised materials specific to international investors for both Fixed and Variable Income strategies; often, collected data directly from Bloomberg terminals.
- **Stack:** Microsoft Office, Excel VBA, Bloomberg.

## EDUCATION

### MSc in Data Science and Business Analytics, Bocconi University, 2018-2020

- E2E design and development of a program that mined over six million tweets, performed noisy-label sentiment analysis (NLP), and analyzed stock performance (ML).
- Academic exchange at the University of Toronto (Canada), partaking MBA classes of Analytics, Finance, and Health Consulting.

### BSc in Economics, University of São Paulo, 2014-2017

- Extremely heavy load of Econometrics (including Time-Series) and Statistics.
- Analyzed over 200 million stock orders from São Paulo Stock Exchange, looking for patterns of stock manipulation and market failures.
- Academic exchange at Bocconi University (Italy).

### Summer Course in International Economics, LSE, 2016

- Studied models of international trade and finance, heavily based on no-arbitrage, microeconomic equilibrium, and partial differential equations.

## CERTIFICATIONS

### CFA Institute

- [CFA ESG](#): Certificate in ESG Investing

### Databricks

- [ML I](#): Databricks Machine Learning Associate
- [ML II](#): Databricks Machine Learning Professional

### Microsoft

- [AZ400](#): Azure DevOps Engineer Expert
- [AZ204](#): Azure Developer Associate
- [AI102](#): Azure AI Engineer Associate
- [DP203](#): Azure Data Engineer Associate
- [DP100](#): Azure Data Scientist Associate

### Scrum.org

- [PSM II](#): Professional Scrum Master II
- [PSM I](#): Professional Scrum Master I

