# COSTANZA CALZOLARI

DATA SCIENTIST

## CONTACT

- +39 392 558 3217
- costanza.calzolari@gmail.com
- Via Piave 50, Trento, Italy
- linkedin.com/in/costanza-calzolari
- www.reallygreatsite.com

## PROFILE

I'm a data scientist focused on turning complex data into actionable insights. I build machine learning models and pipelines in Python, with projects spanning company profiling, sustainability analysis, and energy consumption estimation. Recently, I've specialized in financial data, working on wealth estimation and LLM-based tools for credit risk and investment support.

Outside work, you'll find me in the mountains either on my mountain bike or with a heavy backpack, chasing new views and extreme heights.

## LANGUAGES

- Italian (Native)
- English (Fluent)
- French (Basic)

## SKILLS

**Languages:** Python, R, SQL, Bash, Matlab
**Development Tools**: VSCode, PyCharm, Jupyter Notebooks, Git, Linux, Google Colab, RStudio, Excel
**Data Manipulation & Data Analysis:** pandas, numpy, dask, scipy, statsmodels, scikit-learn
**Machine Learning & Deep Learning**: scikit-learn, statsmodels, XGBoost, LightGBM, PyTorch, TensorFlow, Keras
**Natural Language Processing & LLMs:** LangChain, LangGraph, LangFuse, NLTK, Hugging Face, RAG, chatbot
**Data Visualization & Dashboards**: matplotlib, seaborn, plotly, streamlit, Dash, R Shiny
**MLOps**: Docker, Kubernetes, Kubeflow, Argo Workflows, CI/CD, MLflow, FastAPI, Grafana
**Infrastructures**: AWS, Elasticsearch, Kafka

## WORK EXPERIENCE

**SpazioDati (Ion Group)**
Data Scientist
2022 - PRESENT, TRENTO (ITALY)

Design and implement machine learning models and data pipelines in Python, focusing on company and financial data. Projects span sustainability profiling, keyword extraction, energy consumption estimation, and wealth prediction. Recently, I have led LLM-based initiatives for credit risk management, developing chatbots and AI assistants to enhance financial decision-making.

**BIP x-Tech**
Data Scientist
2022, MILAN (ITALY)

Development of machine learning algorithms to help clients improve their business while leveraging information mined from their data.

**Araneum Technologies**
Data Scientist Internship
2019, ZURICH (SWITZERLAND)

Review of natural language processing methods and defined implementation plan for project on bank transaction data to determine connections between bank customers.

## EDUCATION

**Master of Science in Data Science**
2017-2021
ETH Zurich
Final thesis: "Missing Data Imputation in Hospital Administrative Claims Data for Predicting Early Hospital Readmissions",
Supervisors: Julia Vogt, Thomas Sutter.

**Bachelor of Science in Statistics**
2014-2017
Double Degree: University of Bologna & Glasgow University
Final thesis: "Statistical Inference in Big Viral Antigenicity Data",
Supervisors: Dirk Husmeier, Vinny Davies