


Silvio Angelo Baratto Roldan


Data Scientist | 



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 silviobaratto

Languages

Italian : **Native Proficiency**
Spanish : **Native Proficiency**
English : **C1, Proficient User**

Softwares

Git Excel pgAdmin Latex

Libraries

PyTorch Scikit-Learn Pandas Numpy
Pyro PySpark OpenMP OpenMPI Flask
Django PyTorch Lightning

Programming Languages

Python ●●●●● Java ●●●●●
C++ ●●●●● C ●●●●●
SQL ●●●●● R ●●●●●




Soft Skills and Strengths

Emotional Intelligence Creativity Curiosity
Ability to Plan and Organize Eye for Details
Team Working Leadership
Good Communication




Passions

Swimming Formula 1 Travel Read the news

Work Experience

Mar 2024 - ongoing	Data Scientist Trainee <i>European Central Bank, Internship</i> ▶ Developed a GPT-2 PyTorch model to solve naming convention problems in financial datasets, improving data quality and compliance.	 Frankfurt, DE
Nov 2023 - Feb 2024	Data Scientist <i>Generali Investments, Internship</i> ▶ Developed a portfolio optimization software (web app) using Python, Streamlit, and Flask. ▶ Implemented backtesting features to improve performance visualization and strategic decision-making.	 Trieste, IT
Mar 2021 - Sep 2021	Logistics Automation Specialist <i>Luxottica, Internship</i> ▶ Managed the implementation of two industrial logistics projects utilizing AGV (autonomous guided vehicle) technology. ▶ Conducted daily KPI analysis in Excel to optimize production processes. ▶ Utilized machine learning techniques such as Random Forest and Naive Bayes to prevent maintenance issues.	 Agordo, IT

Education

Sep 2021 - Dec 2023	Master Degree University of Trieste <i>Data Science and Scientific Computing</i> Courses: Introduction to Machine Learning, Deep Learning, Reinforcement Learning, Natural Language Processing, Probabilistic Machine Learning, Statistical Methods, Data Management for Big Data, Advanced Programming, Algorithmic Design, High Performance and Cloud Computing	 Trieste, IT
Sep 2022 - Jan 2023	Erasmus+ Scholarship Autonomous University of Madrid <i>Mathematics and Computer Science</i> Courses: Stochastic Processes, Numerical and Data Intensive Computing, Numerical Analysis	 Madrid, ES
Sep 2016 - Dec 2020	Bachelor Degree University of Trieste <i>Electronic and Computer Engineering</i> Activities: Contamination Lab, Job University Matching Project.	 Trieste, IT

GitHub Projects

stockpy: Created a versatile Deep Learning library on PyTorch and Pyro for stock market data analysis and predictions, adaptable for regression and classification tasks.

Awards

Selection Day Winner I won the Selection Day with NEMO.AI, one of the 16 startups selected to proceed with the acceleration program at the Cross-Cutting Activity 1 event held at the Università Iuav di Venezia.

Winner YES!Call 2023 Sustainable Innovation Solutions. NEMO.AI was selected along with five other promising start-ups in the Friuli Venezia Giulia region to participate in WEIF 2024 in Bahrain. The event was organized by UNIDO ITPO Bahrain in cooperation with UNIDO ITPO Italy.

First Place in Transform4Europe Business Plan Competition. NEMO.AI's unique value proposition lies in its ability to provide a comprehensive, data-driven approach to sustainable fishing practices, bridging the gap between technology and environmental conservation.