

Curriculum Vitae


Personal Data
Surname: Rausa, Name: Federico Born in Saronno on October 30, 2001 Resides in Saronno at Via Mazzini 8


Contacts and Portfolio	
Mail	federico.rausa@gmail.com
LinkedIn	https://www.linkedin.com/in/federico-rausa-71262420b/
Github	https://github.com/Fede-Rausa
Kaggle	https://www.kaggle.com/federicorausa
website	https://fede-rausa.github.io/webpage/

Professional goal:

My greatest passions are data analysis, computational efficiency, decision optimization, and process automation. I'm looking for a working environment where I can develop my statistical, IT, and economic skills. I put problem-solving and teamwork first.

Education:

Master's Degree in Statistical and Economic Sciences (CLAMSES) 	University of Milan-Bicocca	
	Department of Economics, Quantitative Methods, and Business Strategy	
	LM-82 - Master's Degree in Statistical Sciences	
	Thesis title	Boltzmann Machines for Topic Modeling
	Thesis subject	Machine Learning and Text Mining
	Supervisor	Prof. Antonio Candelieri
	Co-supervisor	Prof. Elisabetta Fersini
	Duration	2023-2025
	Grade	102
	Date of achievement	21/01/2026
During my thesis project I optimized and implemented the Replicated Softmax model (Hinton et al - 2009) within the Python package OCTIS (a recognized library for NLP, Topic Modeling and Bayesian Optimization).		

Bachelor's Degree in Economics and Management (CLEM) 	University of Insubria Varese-Como	
	Department of Economics	
	L-33 - Bachelor's degree in economics	
	Thesis title	How does the business start? Clustering algorithms for sector analysis
	Thesis subject	Foundations of Data Analytics
	Supervisor	Prof. Valerio Langé
	Duration	2020-2023
	Grade	102
	Date of achievement	10/10/2023

Skills:

computer skills	
Languages	R, Python (numpy, scipy, pandas, torch, streamlit, opencv, jupyter,...), SQL, SAS, C# for Unity, Arduino
Software	Office (Excel, Word, PowerPoint), VScode, Rstudio, Git, Github, KNIME, SPSS, Tableau, PowerBI, Unity Engine

Language skills	English B2
	Native Italian

Certifications	SAS base programming https://www.credly.com/badges/cb672231-3902-48c0-858f-c232b0b08e8d/public_url
	Master Degree: https://best.it/award/show/oNBiqMpOQMcb4ue2ib5Ucw

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Internship/volunteer experience:

Polo Penitenziario Universitario di Bicocca	Place	Bollate Prison
	Duration	January 2025 - January 2026
	Role	University Tutor at the prison center. My goal was to assist five economics students and one statistics student at Unimib with their university studies in prison, providing teaching materials and helping them understand the content.
Gruppo Musicale Cittadino	Place	Saronno
	Duration	2016 - 2023
	Role	Tenor Saxophonist
Fondazione PIME	Place	Gerenzano
	Duration	settembre 2019 – gennaio 2020
	Role	Customer service
Fondazione Casa di Marta	Place	Saronno
	Duration	2016 - 2020
	Role	logistics and warehouse management for charity collection
Oratorio Regina Pacis	Place	Saronno
	Duration	2014 - 2023
	Role	educator and entertainer
Stage at Giuditta Pasta Theater	Place	Saronno
	Duration	October 2017 - June 2018
	Role	Customer service
Stage at One Day Group	Place	Milan
	Duration	June 2016 – July 2016
	Role	Author of articles for ScuolaZoo
S.M. Legnani High School Newspaper	Place	Saronno
	Duration	2015 - 2018
	Role	Author of articles and proofreader

Free time and interests:

I place great importance on relationships and volunteering. My interests include books (preferably classics, such as Dostoevsky), music (of all genres), electronics (mainly with Arduino), and programming (from game development to robotics). I am interested in all major topics in data science, particularly innovative methods for analyzing non-tabular data (e.g., time series, graphs, images, audio, text, etc.).