Federico Luzzi

IT, Data Engineer

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- @ fede97luzzi@gmail.com
- 🏳 Italian
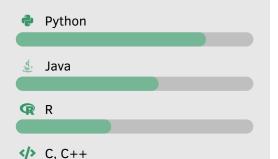
Social Network ———

- 🐙 `https://github.com/fedous`
- 💼 `https://www.linkedin.com/in/federico-luzzi-73619816a`

Soft Skills ———

- 📋 Good time management
- 😊 Team working
- 🔧 Self-taught

Programming languages ———

Python

Java

R

C, C++

About me

IT enthusiast, always keeping up to date. I'm a fast learner, trying always to overcome obstacles to improve myself. I enjoy working in teams during projects which I've experienced during work experience and University.

Working Experience

02-2022 – present	**Junior Data Engineer**	Quantyca - Data at Core

Working as a junior data engineer in a consulting company in smart working. Mainly I work with ELT technologies and take care of everything in the data management context of the clients.

05-2021 - 08-2021	**Accademic Internship**	Università degli Studi di Milano Bicocca

DISCo department - Viale Sarca 336, 20126, Milano, MI
Research for master thesis. Remote activity of literature study, code optimization and model testing.

June 2015	**Bank Internship**	Credito Valtellinese S.p.A

Viale Tommaso Ambrosetti 2, Morbegno (SO)
Front office activity, treasury management, handling client relationships, support on back offices.

Education

University

2019–2021	**Data Science,** *Master Degree*	Università degli studi di Milano Bicocca

Grade: *110/110 cum laude*
Study of all aspects of data life: data collection techniques, big data handling, data analysis, machine learning and state-of-the-art approaches.
Mater thesis: Study and implementation of structural learning for Sum-Product Networks.

2016–2019	**Informatics,** *Bachelor Degree*	Università degli studi di Milano Bicocca

Grade *110/110 cum laude*
Bachelor thesis: Identification of spatio-temporal events: study and implementation on a crime dataset

High School

2011–2016	**Technical commercial Institute** *High School Diploma*	ITCG P. Saraceno

Grade: *100/100*
Technical commercial high school with IT address, in particular on company information systems.
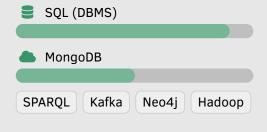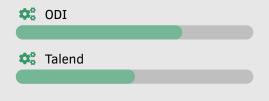
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Database Tools ——
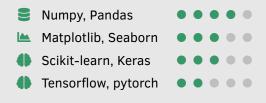
🗄 SQL (DBMS)

☁ MongoDB

[SPARQL] [Kafka] [Neo4j] [Hadoop]

ETL Technlogies ——

⚙ ODI

⚙ Talend

Python data mining libraries ——

🗄 Numpy, Pandas ● ● ● ● ○

📈 Matplotlib, Seaborn ● ● ● ○ ○

🧠 Scikit-learn, Keras ● ● ● ○ ○

🧠 Tensorflow, pytorch ● ● ○ ○ ○

Other tools ——

[Git] [IntelliJ] [Jupyter Environment]
[KNIME] [Tableau]
[PowerBI] [Linux] [AWS] [LaTeX]

Languages ——

🇮🇹 Italian ● ● ● ● ●

🇬🇧 English ● ● ● ● ○

🇫🇷 French ● ● ○ ○ ○

Projects

deeprob-kit	**LearnSPN optimization**
	The master thesis project. It involves in the optimization of Learn-SPN: a structural learning algorithm of Sum-Product Networks. I've contributed to the deeprob-kit python library adding some state-of-the-art methods and also new proposals for optimize the algorithm.
	`https://github.com/deeprob-org/deeprob-kit`
Hate Speech Recognition	**Text mining project**
	Implementation for the university exam project of the course "Text Mining and Search". Some already collected tweets have been analysed to create a machine learning model that recognise the hate speech situations into tweet messages. This was a group project.
	`https://github.com/MarcoP9/textmining`
Telegram bot	**Covid Italia News Bot**
	A telegram bot that collects the daily data about Covid19 in Italy: cases, recovered, vaccines, ... It is implemented in Python and deployed on an AWS server instance.
	`https://github.com/Chri1629/covid_bot`

Recreational Interests

Reading	Mainly science and fantasy novels but also essays
IT	Staying up to date with the recent technologies, in particular for AI and data science
Playing	I enjoy playing computer games, chess and the piano
Sport	I go swimming regularly
Travel	I love travel to discover new places and new cultures. I'm also an amateur drone photographer

Certificates

English B1	**Buisiness English Certificate (BEC)**
	Achieved during high school (2015)
Disability	**Certificate for restricted mobility**
	Inserted in "Categorie Protette" lists.