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

03-2023 – present	**Data Engineer**	Quantyca - Data at Core

Mainly work on ELT projects and being involved in architectural decisions for the clients' systems.

02-2022 – 02-2023	**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.