



Federico Luzzi

Open to:

Data Scientist
Data Engineer

- 9 July 1997
- Via San Giorgio 511,
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ITALY
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- fede97luzzi@gmail.com
- Italian

Social Network

- <https://github.com/fedous>
- <https://www.linkedin.com/in/federico-luzzi-73619816a>

Database Tools

- SQL
- MongoDB
- SPARQL
- Kafka
- Neo4j
- Hadoop

Programming languages

- Python
- R
- Java
- C, C++
- HTML5
- CSS3
- Javascript

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 University.

Education

University

- 2019–2021 **Data Science, Master Degree** Università degli studi di Milano Bicocca
Grade: *110/110 cum laude*
Study of all aspect 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.

Working Experience

- 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.
- 2017 - 2021 **Tutoring Students**
Tutoring high school students in Computer science and Math.
- 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.

Projects

- Data Management **YouTube Trending Analysis**
A Pipeline of scraping for YouTube trending data to analyze the differences between the results before and after the Covid-19 outbreak.

https://github.com/fedous/Youtube_trending_analysis
- deeprob-kit **LearnSPN optimization**
The master thesis project. It involves in the optimization of LearnSPN: a structural learning algorithm of Sum-Product Networks. I've contributed to the deeprob-kit python library.





<https://github.com/deeprob-org/deeprob-kit>

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Python data mining libraries




-  Numpy, Pandas
-  Matplotlib, Seaborn
-  Scikit-learn, Keras
-  Tensorflow, pytorch

Other tools


Jupyter Environment KNIME Git


Tableau Linux AWS \LaTeX


Soft Skills

-  Good time management
-  Team working
-  Self-taught

Languages

 Italian ● ● ● ● ●

 English ● ● ● ● ●

 French ● ● ● ● ●

Hate Speech
Recognition

Text mining project

Some already collected tweets have been analysed to create a machine learning model that recognise the hate speech situations into tweet messages.

[Python](#) [nltk](#) [scikit-learn](#) [NLP](#)

<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, etc.

[Python](#) [telegram.ext](#) [matplotlib](#) [AWS 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

Business English Certificate (BEC)

Achieved during high school (2015)

Disability

Certificate for restricted mobility

Inserted in "Categorie Protette" lists.