

# Federico Luzzi

#### Open to:

Data Scientist Data Engineer

- 9 July 1997
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- 🔃 Italian

## Social Network

h

https://github.com/fedous



https://www.linkedin.com/in/federico-luzzi-73619816a

## Database Tools —

**SQL** 

MongoDB

SPARQL Kafka Neo4j Hadoop

# Programming languages —

Python

R 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,

Università degli studi di Milano Bicocca

Master Degree

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 ap-

proaches

Mater thesis: Study and implementation of structural learning for

Sum-Product Networks.

2016–2019 Informatics,

Università degli studi di Milano Bicocca

**Bachelor Degree**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

ITCG P. Saraceno

High School Diploma Grade: 100/100

Technical commercial high school with IT address, in particular on

company information systems.

## **Working Experience**

05-2021 - Accademic Internship

Università degli Studi di Milano Bicocca

Credito Valtellinese S.p.A

08-2021

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

Viale Tommaso Ambrosetti 2, Morbegno (SO)

Front office activity, treasury management, handling client relation-

ships, support on back offices.

## **Projects**

Data

YouTube Trending Analysis

Management

A Pipeline of scraping for YouTube trending data to analyze the differences between the results before and after the Covid-19

outbreak.

Python | MongoDB

kafka

matplotlib

 $\verb|https://github.com/fedous/Youtube\_trending\_analysis|\\$ 

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.

Python

deeprob-kit

scikit-learn

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

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# Python data mining libraries -

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

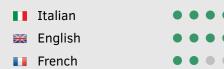
## Other tools



## Soft Skills

- Good time management
- Team working
- Self-taught

# Languages



Hate Speech

Text mining project Recognition

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.

telegram.ext AWS instance Python matplotlib

https://github.com/Chri1629/covid\_bot

#### **Recreational Interests**

Reading Mainly science and fantasy novels but also essays

ΙT 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.