

# Moreno La Quatra

*Post-doc researcher in natural language and speech processing*

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Citizenship: Italian

## Research interests

Deep Learning, Natural Language Processing, Audio Processing

## Education

- 2018 – 2022 **Politecnico di Torino** – Turin, Italy  
Ph.D. summa cum laude, Computer Engineering  
Mentors: Prof. Luca Cagliero
- 2017 – 2018 **Grenoble INP** – Grenoble, France  
M.Sc. in Data Science  
Mentors: Prof. Georges Quénot
- 2015 – 2018 **Politecnico di Torino & ENSIMAG** – Turin, Italy & Grenoble, France  
M.Sc. Computer Engineering (Double Degree program)  
Mentors: Prof. Elena Baralis
- 2012 – 2015 **Politecnico di Torino** – Turin, Italy  
B.Sc. Computer Engineering

## Teaching experience

- 2021–2023 **Teaching assistant, Deep Natural Language Processing**  
Politecnico di Torino  
Course Level: Master  
Teaching assistant both for in-class and lab practices.
- September 2022 **Tutor, NLP**  
Mediterranean Machine Learning Summer School  
Course Level: PhD students  
Teaching assistant for lab practices and co-responsible for NLP tutorials.
- 2020–2022 **Teaching assistant, Text mining and analytics**  
Politecnico di Torino  
Course Level: PhD  
Teaching assistant for in-class practices.

2019–2023 **Teaching assistant, Fundamentals of Databases**  
Politecnico di Torino  
Course Level: Bachelor  
Teaching assistant for lab practices.

## Industry and Academic Experience

2023–ongoing Post-doc in Speech Processing  
*Kore University of Enna – Enna, Italy*

2022–2023 Post-doc in Natural Language Processing  
*Politecnico di Torino – Turin, Italy*

2018 Student Intern, Active Learning for Computer Vision  
*Atos (Bull) - Grenoble, France*

2017 Student Intern, NLP techniques for search engines  
*BASSETTI - Grenoble, France*

## Mentorship

2018 – Present **Politecnico di Torino – Turin, Italy**  
Co-supervisor for 15+ students for their Master's thesis projects in NLP and audio processing.

## Selected Publications

- 2023 **ITALIC: An Italian Intent Classification Dataset**  
Koudounas, A., **La Quatra, M.**, Vaiani, L., Colomba, L., Attanasio, G., Pastor, E., Cagliero, L. & Baralis, E.  
*INTERSPEECH 2023*. <https://doi.org/10.21437/Interspeech.2023-1980>.
- 2023 **BART-IT: An Efficient Sequence-to-Sequence Model for Italian Text Summarization**  
**La Quatra, M.** & Cagliero, L.  
*Future Internet*. <https://doi.org/10.3390/fi15010015>.
- 2022 **How Much Attention Should We Pay to Mosquitoes?**  
**La Quatra, M.**, Vaiani, L., Koudounas, A., Cagliero, L., Garza, P. & Baralis, E.  
*ACM International Conference on Multimedia*. <https://doi.org/10.1145/3503161.3551594>.
- 2021 **Summarize Dates First: A Paradigm Shift in Timeline Summarization**  
**La Quatra, M.**, Cagliero, L., Baralis, E., Messina, A. & Montagnuolo, M.  
*ACM SIGIR*. <https://doi.org/10.1145/3404835.3462954>.

2020 **Extracting highlights of scientific articles: A supervised summarization approach**  
Cagliero, L. & La Quatra, M.  
*Expert Systems with Applications.* <https://doi.org/10.1016/j.eswa.2020.113659>.

## Technical skills

### **Programming languages**

Python, PHP, JavaScript, C/C++

### **Deep Learning & Software**

PyTorch, TensorFlow, Librosa, SciKit-Learn, Git

### **Languages**

English (fluent), Italian (native), French (proficient)