



Alessandro Lombardini

R&D RESEARCHER | GRADUATED IN COMPUTER SCIENCE AND ENGINEERING

CONTACTS

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GitHub

<https://github.com/alessandro-lombardini>

PERSONAL INFORMATIONS

Born

11/08/1998 (Age: 22)

Place of birth

Rimini (RN)

Nationality

Italy

Residenza

Via San Marino 381,
Santarcangelo di Romagna (RN), 47822

Driving licence

B (Car available)

Availability to relocate abroad

Yes

Availability for business travels

Yes

Hobbies

Climbing
Hiking
Trekking

WHO AM I?

Hi, welcome to my curriculum! My name is Alessandro Lombardini, a graduate in Engineering and Computer Science with a keen interest in Machine Learning. I like math, problem-solving and coding, all things that I find incredibly stimulating and exciting. I also have a weakness in the humanities, which is perhaps the reason why I am very attracted by Natural Language Processing.

EXPERIENCES

• R&D Researcher

MAGGIOLI - SANTARCANGELO DI ROMAGNA (RN)

02/2021 - Now

- Working on European project Incisive: develop innovative tools based on AI that contribute to enriching and enhancing data analysis relating to oncological diagnosis, predictions and follow-ups.
- Scouting, experimenting and developing of Natural Language Understanding models.

• Curricular internship

UNIVERSITY OF BOLOGNA (UNIBO) - CAMPUS OF CESENA (FC)

03/2020 - 05/2020

- Study and experimentation of Machine Learning methods and algorithms
- Focused in the field of Natural Language Processing.
- Application of the acquired knowledge in a concrete case study, the chatbots.

• Curricular internship

COMPUTER OK - SANTARCANGELO DI ROMAGNA (RN)

05/2016 - 06/2016

- PC assistance and assembly.

EDUCATION

• Advance training course

EXPERIS ACADEMY - VIRTUAL CLASSROOM

03/11/2020 - 15/11/2020

- 240-hour course focused on Natural Language Processing provided by Deep Learning Italia.
- **Main courses:** Basics of mathematics | Python programming | Python libraries for Machine Learning | Pytorch and Tensorflow programming | Introduction to Machine and Deep Learning | Basic and advanced NLP

- **Bachelor's Degree in computer science and Engineering**

UNIVERSITY OF BOLOGNA (UNIBO) - CESENA (FC)

Vote: 110 / 110 cum Laude

2017 – 2020

- **Study subjects:** Mathematical analysis, Programming, Algebra and geometry, Algorithms and Data Structures, Computer architectures, Discrete mathematics and probability, Operating system, Databases, Physics, Numerical methods, Network programming, Software engineering, Telecommunications networks, Operations research, Web technologies, IT and law, System embedded and Internet-Of-Things (IoT), Programming of data intensive applications, System integration
- **Thesis title:** Estrazione di Correlazioni Medicali da Social Post non Etichettati con Language Model Neurali e Data Clustering (“Extraction of Medical Correlation from Unlabeled Social Posts with Neural Language Model and Data Clustering”)
- **Target:** proposed a new methodology to extract semantic correlations between concepts from a set of documents. This method was then applied to a medical case study: posts and comments published in a Facebook group dedicated to Esophageal Acalasia, a rare disease, were analyzed.
- **Key:** Natural Language Processing | Neural Language Model | Data Clustering | Associative Rules | Rare Disease

- **Secondary School Diploma | IT and Telecommunication Specialization**

ITT BLAISE PASCAL - CESENA (FC)

Vote: 100 / 100

2012 – 2017

- **Activities:** IT Team Olympics, Training Course as cable guy, Cultural Exchange with the Marienschule Institute (Hildesheim, Germany)
- **Topics addressed:** applications and technologies for the web and for mobile devices, IT systems networks, databases, management software, IT services, project management.

CERTIFICATION

- **English B2**

UNIVERSITY OF BOLOGNA (UNIBO)

Issued in January 2018