



**Antonio  
Lanza**

Date of birth: 13/12/1996

## CONTACT

✉ [antoniolanza1996@gmail.com](mailto:antoniolanza1996@gmail.com)

LinkedIn: [www.linkedin.com/in/lanzaantonio](https://www.linkedin.com/in/lanzaantonio)

Other: <https://github.com/antoniolanza1996>

## WORK EXPERIENCE

**01/2021 – CURRENT** – Rende, Italy

### AI Research Scientist

ALTILIA s.r.l.

- Research and development of Intelligent Document Processing (IDP) solutions.
- Work on the R&D team with the aim of building Altilia Intelligent Automation™ - a no/low-code, IPaaS (Intelligent Process Automation as a Service) platform - that democratizes the adoption of AI, hyper automation, and decision intelligence at scale in modern organizations of any size.

**07/2020 – 12/2020** – Rende, Italy

### AI Research Scientist Intern

ALTILIA s.r.l.

Internship period in which Natural Language Processing (NLP) Transformer-based models were studied and implemented. In particular, Information Retrieval (IR) and Question Answering (QA) models were investigated in order to implement an Open Domain Question Answering (ODQA) system.

## EDUCATION AND TRAINING

**09/2021 – 09/2021**

### Passed the professional exam and licensed as a Information Engineer

University of Calabria

**01/2020 – 05/2020** – Dublin, Ireland

### Erasmus+ period

University College Dublin (UCD)

**Semester GPA:** 4.04/4.2

**09/2018 – 12/2020** – Rende, Italy

### Master's Degree in Computer Engineering

University of Calabria

**Field of study:** Big Data Analytics e Data Science

**Thesis title:** Deep Learning techniques for Open Domain Question Answering

**Final grade:** 110/110 with honors

**10/2015 – 09/2018** – Rende, Italy

### Bachelor's Degree in Computer Engineering

University of Calabria

**Thesis title:** Use of Hidden Markov Models for the interpretation of low-level business process logs

**Final grade:** 110/110 with honors

**09/2010 – 07/2015** – Castrovillari, Italy

## PROFESSIONAL SKILLS

### ● Professional skills

- Good knowledge of different Machine Learning tasks: Named Entity Recognition, Question Answering, Multi-Class and Multi-Label Text Classification, Sentiment Analysis, Aspect-based Sentiment Analysis, Text Summarization, Clustering, Topic Modeling, Object Detection/Segmentation and Optical Character Recognition.
- Good knowledge of Information Retrieval solutions: both full-text (i.e. syntactic/sparse) and neural (i.e. semantic/dense) search.
- Machine and Deep Learning frameworks/libraries used: PyTorch, deepset's FARM and Haystack, Hugging Face's Transformers and Datasets, UKPLab's Sentence Transformers, Spacy, Scikit-learn, Weights & Biases, ClearML, Detectron2, OpenMMLab's MMCV and MMDetection.
- Big Data frameworks: Apache Hadoop, Spark and Storm.
- Programming languages: Java and Python.

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Italian

**OTHER LANGUAGE(S):**

English

Listening	Reading	Spoken production	Spoken interaction	Writing
B1	B2	B1	B1	B2

## HONOURS AND AWARDS

● **06/2020**

**Path of Excellence** – DIMES department, University of Calabria  
Winner of a scholarship issued by the DIMES department.

During this period, the Apache Storm framework was studied by creating an application that analyzes tweets published on Twitter in real time and provides, through appropriate graphs, statistics on hashtags and on the origin of users. Furthermore, it is also possible to perform sentiment analysis and spam detection tasks.

● **25/05/2016**

**BT Simulated Enterprise Program Finalist - 2015 Edition** – PRAXIS MMT Corp, on behalf of Business Talents, Milan (MI)

● **10/04/2015**

**Winner of the YBT Simulated Enterprise program - 2014 Edition** – PRAXIS MMT Corp, on behalf of Young Business Talents, Milan (MI)

● **22/03/2014**

**Finalist of the YBT Simulated Enterprise program - 2013 Edition** – PRAXIS MMT Corp, on behalf of Young Business Talents, Milan (MI)

## CONFERENCES AND SEMINARS

**09/11/2021 - 11/11/2021** > – [Online Conference](#)

● **Codemotion Online Tech Conference 2021 - Italian Edition | Autumn**