

PERSONAL INFORMATION



Giovanni Morrone

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Sex Male | Date of birth 09/10/1993 | Nationality Italian

PERSONAL STATEMENT

A Ph.D. student with a master's degree in Computer Engineering from University of Modena and Reggio Emilia. During my internship in Expert System I worked on several projects involving machine learning and natural language understanding. I'm very enthusiastic about new artificial intelligence techniques that are changing the way in which we communicate with computers, so my aim is to collaborate on cutting-edge research projects about deep learning for speech recognition in the context of human-machine interaction.

EDUCATION AND TRAINING

Nov 2017–Present	Ph.D. "Enzo Ferrari" in Industrial and Environmental Engineering - curricula Industry 4.0 EQF level 8
	University of Modena and Reggio Emilia 10, Via Pietro Vivarelli, 41125 Modena (Italy) www.unimore.it Research in machine learning, deep learning, audio-visual speech recognition, human-machine interaction
Sep 2015–Oct 2017	Master's Degree in Computer Engineering EQF level 7
	University of Modena and Reggio Emilia, Modena (Italy) Final examination: 110/110 summa cum laude Number of exams: 13 Grade point average: 30/30 Thesis: "Comparative analysis of dialogue engines and development of solutions for semi-automatic creation of chatbot's knowledge base"
Sep 2012–Oct 2015	Bachelor's Degree in Computer Engineering EQF level 6
	University of Modena and Reggio Emilia, Modena (Italy) Final examination: 110/110 summa cum laude Number of exams: 20 Grade point average: 29.67/30 Thesis: "Design and implementation of a tool for temporal series analysis and characterization of virtual machines usage in cloud systems"
Sep 2007–Jun 2012	Scientific High School Diploma EQF level 4
	High School "A. Sorbelli", Pavullo nel Frignano (Italy) Final examination: 97/100

WORK EXPERIENCE

Sep 2016–Present

Teaching Tutor

University of Modena and Reggio Emilia
10, Via Pietro Vivarelli, 41125 Modena (Italy)
www.unimore.it

Teaching tutor of the “Foundations of Computer Science” course of Bachelor’s Degree in Electronic Engineering

Activities:

- Laboratory assistant
- Help desk for students
- Support for exams (creation and revision of tests)

Business or sector Education

Feb 2017–Aug 2017

Research/Software Engineer Intern

Expert System S.p.A.
56/Q, Via Virgilio, 41123 Modena (Italy)
www.expertsystem.com

R&D Technology Department

Activities:

- Dialogue systems (chatbot) research
- Automatic knowledge extraction from unstructured texts
- Machine learning applications for natural language processing

Business or sector ICT

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	A2	B2	A2	A2	B2
Exam certification: B1 level (Reading)					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

Communication skills acquired due to support activity for disabled students in university. I also take private lessons to High School Students on scientific subjects (Math, Physics, Computer Science).

Job-related skills

- Programming languages: Python, C, C++, Java
- Other languages (base knowledge): Matlab, HTML, Javascript
- Data analytics and machine learning: Pandas, Scikit-learn
- Deep learning: TensorFlow, Keras
- DBMS: MS SQL Server, MySql
- PaaS: Google App Engine
- Cluster computing: Apache Spark

ADDITIONAL INFORMATION

Courses The Cornell, Maryland, Max Planck Pre-doctoral Research School 2017: “Software Systems, Security and Privacy” (<http://cmmrs.mpi-sws.org/>)
August 8-13, 2017 – Max Planck Institute for Software Systems, Saarbrücken, Germany

Memberships - Volleyball Team: G.S. Spezzanese (Series C)
- AVIS (Associazione Volontari Italiani del Sangue): blood donor

Open Source Projects - Locality-Sensitive Hashing on Apache Spark (<https://github.com/dr-pato/pyspark-lsh>)
- Top-K Entity Resolution with Adaptive Locality-Sensitive Hashing on Apache Spark (<https://github.com/dr-pato/pyspark-adalsh>)