

# Martino MENSIO

## BACKGROUND

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website: <https://martinomensio.github.io/>

I am currently a Research Assistant at Knowledge Media Institute (The Open University, UK) working on Deep Learning for Natural Language Understanding. My background in Software Engineering comes from the studies carried in Politecnico di Torino where I achieved both the Bachelor's and Master's degrees.

For the near future I would like to stay in research, possibly starting with a PhD. My interests focus on Conversational Agents, Text Processing, Deep Learning.

## PROFESSIONAL EXPERIENCE

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- MAY 2018-Current**      Research Assistant at KNOWLEDGE MEDIA INSTITUTE, The Open University, UK  
I am working in a team that is focused on robotics. The goal is to build a prototype of a robot that combines different abilities in order to provide a *office assistant* capable of moving around and perform actions on command. My role is to provide a Natural Language Interface for the robot in order to enable a simple conversation with it.
- MAR 2017-MAR 2018**      Master's thesis project at ISTITUTO SUPERIORE MARIO BOELLA, Torino  
*Deep Semantic Learning for Conversational Agents*  
The goals of this research thesis are of two different natures: *i)* analyze the State of the Art in order to identify the approaches that better suit the creation of a Conversational Agent (Natural Language Understanding) *ii)* build a bot prototype that uses the selected approaches.
- MAR-SEP 2015**            Internship at SCLOBY SRL, Torino  
*End-to-End testing and development for an AngularJS application*  
In the first part of the internship I wrote end-to-end tests using Protractor (a framework to do automatic tests on AngularJS apps). The tests simulated the user interactions and checked the correct behaviour of the application. During the second part I moved to the development activity. Using AngularJS I implemented some functionalities of the app. I wrote some controllers, templates and directives.

## EDUCATION

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- APRIL 2018**      Master's Degree in COMPUTER ENGINEERING  
**Politecnico di Torino**, Major: Software, 110L/110  
GPA: 29.93/30      | [Detailed List of Exams at page 3](#)
- DECEMBER 2015**      Bachelor's Degree in COMPUTER ENGINEERING  
**Politecnico di Torino**, 109/110  
GPA: 28,66/30      | [Detailed List of Exams at page 3](#)
- SUMMER 2012**      Scientific High School Diploma  
**Liceo Scientifico "G.B. Bodoni"**, Saluzzo, 92/100

## TECHNICAL SKILLS

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Operating Systems: Linux (Ubuntu, Arch), Windows (7/8/10)  
Programming Languages: C, Java, Python, JavaScript, PHP  
Databases: Relational (Oracle/SQLite/PostgreSQL) and non-relational (MongoDB)  
Web: Spring, AngularJS, NodeJS, ExpressJS, Flask  
Machine Learning: Artificial Neural Networks, Deep Learning, Recurrent Neural Networks,  
Word Embeddings, TensorFlow, Keras, SpaCy NLP  
Others: Office suites (Microsoft Office, LibreOffice),  
IDE (Visual Studio Code, Eclipse, Visual Studio, codeblocks)

## PUBLICATIONS

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April 2018: Mensio M., Rizzo G., Morisio M. "Multi-turn QA: A RNN Contextual Approach to Intent Classification for Goal-oriented Systems." In *(WWW) 1st International Workshop on Hybrid Question Answering with Structured and Unstructured Knowledge (HQA)* Lyon, France  
April 2018: Mensio M., Rizzo G., Morisio M. "The Rise of Emotion-aware Conversational Agents: Threats in Digital Emotions." In *(WWW) Re-coding Black Mirror* Lyon, France

## SCOLARSHIPS

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from 2013 to 2017: Winner of yearly scholarship provided by EDISU Piemonte to univeristy students

## Master's Degree in COMPUTER ENGINEERING

### Grades

EXAM	CREDITS	GRADE
Computer architectures	10	30 cum laude
Database management systems	8	30 cum laude
Optimization methods and algorithms	6	30
Computer network technologies and services	6	29
Distributed programming I	6	30 cum laude
Software engineering	8	30
System and device programming	10	30 cum laude
Formal languages and compilers	6	30 cum laude
Distributed programming II	6	30 cum laude
Computer system security	6	30 cum laude
Information systems	6	30
Projects and laboratory on communication systems	6	30 cum laude
Internet applications	6	30 cum laude
GPA		<b>29.93</b>

## Bachelor's Degree in COMPUTER ENGINEERING

### Grades

EXAM	CREDITS	GRADE
Mathematical analysis I	10	24
English Language 1st level	3	passed
Chemistry	8	25
Digital revolution	6	28
Computer science	8	30
Geometry	10	28
Physics I	10	28
Physics II	6	27
Introduction to electrical engineering	10	30 cum laude
Algorithms and Programming	10	30 cum laude
Mathematical analysis II	8	27
Computer systems	8	30 cum laude
Mathematical methods for engineers	10	28
Systems and electronic technologies	10	28
Computer networks	8	30 cum laude
Final essay	1	30 cum laude
Operating systems	6	27
Signal theory and Signal processing	10	26
Object-oriented programming	6	30 cum laude
Automatic control	10	24
Database	6	30 cum laude
Applied Electronics and Measurement	10	30
Professional Training	10	passed
GPA		<b>28.66</b>