

PERSONAL INFORMATION



Alessandro Lambertini

📍 Modena, Italy

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Sex M | Nationality Italian

PERSONAL STATEMENT

I am a computer engineer and I am following the first year of the master's degree in "Artificial Intelligence and Robotics" at the University of Rome "La Sapienza".
I would like to deepen my studies in the field of AI and ML.

EDUCATION AND TRAINING

10/2020 – present

Master's in Artificial Intelligence and Robotics (current average: 29.22)

University of Rome "La Sapienza" (Rome) – Course held entirely in English

- Artificial Intelligence
- Machine Learning (Python)
- Foundation of Computer Graphics (C++)
- Robotics 1, 2 (Matlab)
- Medical Robotics
- Neural Network (Python)
- Interactive Graphics (Html, CSS, Javascript, OpenGL)
- Vision and Perception (Python)

09/2017 – 06/2020

Bachelor's in Computer Engineering (Final Score: 100/110)

University of Modena and Reggio Emilia "UNIMORE" (Modena)

- Fundamentals of Computer Science 1, 2 (C)
- Fundamentals of Telecommunications
- Computer Networks (Marionnet)
- Computer Architecture
- Digital Electronics
- Database (SQL)
- Operating Systems (Bash, C)
- Software Engineering (Java)
- Object-oriented Programming (Java)
- Dynamic Languages (Python)
- Computer Aided Design (SolidWorks)
- Operative Research
- Control Systems
- Calculus I, II, Geometry, Statistics
- Physics, Applied Physics for informatics

09/2012 – 06/2017

High school graduation in Computer Science and Telecommunications

Industrial Technical Institute "IIS A. Volta" (Sassuolo)

- Computer Science, Telecommunications
- Systems and Networks
- Technologies and design of IT and telecommunications systems

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

Communication skills

- I have good communication skills obtained during countless school and university experiences.

Organisational / managerial skills

- During university I had to do many homeworks and projects that required collaborating in groups with other students and I often managed the time scheduling or the workflow of the activity.

Job-related skills

- I gave tutoring to high school and university students on computer science related subjects.
- Together with another teacher I taught judo to children and teenagers in the gym where I trained.

Digital skills

- Knowledge of programming languages:
 - High: Java, C, C++, Python.
 - Medium: Html, Css, Javascript , PHP, Matlab.
 - Base: C#, Assembly.
- I have a good knowledge in creating websites and managing databases using the SQL language, partly obtained during high school and partly in my free time independently.

Other skills

- Good commands of suite Office (Word, Excel, PowerPoint).
- Good skills in problem solving.

Driving licence

A1, B

ADDITIONAL INFORMATION

Projects

- Neural Network Project: "Image of Brain Stroke Lesion segmented with X-Net and Quaternion Neural Network" (done in a group of two people).

Thesis

- Vision and Perception Project: "RRU-Net: The Ringed Residual U-Net for Image Splicing Forgery Detection" (done in a group of two people).

Honours programme

- Reinforcement Learning Project: "Explaining Agent Behaviour through Intended Outcomes" (done in a group of two people).

- Bachelor's Degree thesis: "Design and implementation of a Smart Parking system".

- Currently, if the average remains above 27/30, I am planning to do the Honours Programme at "La Sapienza - Rome".