

PERSONAL INFORMATION



Curriculum Vitae Mauro Lorenzo

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🗣 Lorenzo Mauro

📅 Date of birth 27 Sept. 1993 | 🇮🇹 Nationality Italy

EDUCATION AND TRAINING

- 2019–present **PhD student in computer science**
“Multi-Conditioned GAN for user guided realistic image generation”
University of Rome La Sapienza, Rome (Italy)
- 2015–2017 **Master's Degree in Artificial Intelligence and Robotics** Level 7 QEQ
University of Rome La Sapienza, Rome (Italy)
with vote 110/110
- 2012–2015 **Bachelor Degree in Aerospace Engineering** Level 6 QEQ
University of Rome La Sapienza, Rome (Italy)
with vote 100/110
- 2007–2012 **High school diploma of Aviation Technical Expert** Level 4
QEQ ITAER "F. De Pinedo", Rome (Italy)
With vote 96/100

PROFESSIONAL EXPERIENCE

- 01/2018 - present **Research Assistant**
specializing in video analysis and recognition of human actions with machine learning techniques and neural networks.
ALCOR lab, Sapienza University of Rome, Rome (Italy)
- 01/2018 - present **European Project H2020 SecondHands (643950)**
Researcher and developer
- 01/2018 - present **Assistant at Pattern Recognition Elective Course**
DIAG, Sapienza University of Rome, Rome (Italy)
- 6 / 2011–7 / 2011 **Internship as Flight Dispatcher at MISTRALAIR airline of Poste Italiane group**
MISTRALAIR, Roma (Italy)
- 7 / 2012–7 / 2012 **Internship in Control tower of Rome Fiumicino Airport**

ENAV SAAV LIRF, Rome (Italy)

PUBLICATIONS

- 2019 [Anticipating next goal for robot plan prediction.](#)
2019 Intelligent Systems Conference (IntelliSys)
F. Pirri, E. Alati, L. Mauro, V. Ntouskos
- 2018 [Deep execution monitor for robot assistive tasks.](#)
2018 European Conference on Computer Vision (ECCV).
L. Mauro, E. Alati, M. Sanzari, V. Ntouskos, G. Massimiani, F. Pirri.
- 2018 [Hybrid Planning Environment with Visual Search and Recognition.](#)
2018 Applications of Intelligent Systems (APPIS) Extended abstract.
F. Puja, S. Grazioso, L. Mauro, V. Ntouskos, M. Sanzari, L. Freda, F. Pirri.

PERSONAL SKILLS

Mother tongue Italian

Other languages

	COMPREHENSION		PARLATORY		WRITTEN PRODUCTION
	Listening	Reading	Interaction	oral production	
English	C1	C2	C1	C1	C2

Trintiy College Certificate Grade 8 (level 1 certified in ESOL International) (B2.2 of CEFR).

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Advanced user
[Common European Framework of Reference for Languages](#)

Professional Skills

- Programming in Python, C, C ++ and Matlab.
- Database management in SQL.
- use of libraries for machine learning and Neural networks such as Tensorflow, Theano, Keras and Caffe.
- development and training of neural networks for the analysis of images and natural language.
- deep reinforcement learning training techniques.
- Extensive knowledge of Mathematical Analysis, Physics, Machine Learning, Knowledge Representation, Robotics, Control Systems, Computer Vision, Computer Graphic, Aerodynamics, Flight Mechanics, Air Traffic Control, Aerospace Propulsion, Construction Sciences and Electrical Engineering.
- Development of physical rendering in C ++ and real time rendering in OpenGL.

- image processing, modeling and rendering with various software such as: Photoshop, LightRoom, 3d-coat, Modo and Keyshot.