

PERSONAL INFORMATION

Curriculum Vitae Mauro Lorenzo

EDUCATION AND TRAINING

11/2019–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 University of Rome La Sapienza, Rome (Italy) Final grade: 110/110	Level 7 QEQ
2012–2015	Bachelor Degree in Aerospace Engineering University of Rome La Sapienza, Rome (Italy) Final grade: 100/110	Level 6 QEQ
2007–2012	High school diploma of Aviation Technical Expert QEQ ITAER "F. De Pinedo", Rome (Italy) Final grade: 96/100	Level 4

PROFESSIONAL EXPERIENCE

01/2018 - 01/2020	Research Assistant at Alcor Lab specializing in video analysis and human action recognition with deep learning techniques and neural networks. ALCOR lab, Sapienza University of Rome, Rome (Italy)
01/2018 - 01/2020	European Project H2020 SecondHands (643950) Researcher and developer
01/2018 - 01/2020	Teaching Assistant at AI 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

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.
- Deep Learning libraries: Tensorflow and Keras.
- development and training of neural networks for the analysis of images and natural language.
- 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.