Massimiliano Mancini

PhD Student in Engineering in Computer Science
Università di Roma "La Sapienza", Rome, Italy
Fondazione Bruno Kessler, Trento, Italy

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EDUCATION

PhD in Engineering in Computer Science
Università di Roma "La Sapienza"
Supervisor: Prof. Barbara Caputo
Topic: Exploiting local visual information inside Deep Learning
November 2016 -

Master of Science in Engineering in Artificial Intelligence and Robotics
Università di Roma "La Sapienza"
Supervisor: Prof. Barbara Caputo
Thesis: *"Deep Naïve Bayes Nearest Neighbor"*
October 2014 – 25th October 2016
Grade: 110/110 cum laude and excellence mention

Bachelor degree in Computer and Electronic Engineering
Università degli Studi di Perugia
October 2010 – 8th May 2014
Thesis: *"Project and realization of a software system for the use of a mobile
device as a webcam for computer"*
Supervisor: Prof. Emilio Di Giacomo
Grade 101/110

High-School Diploma in Science and Technology
ITIS Leopoldo ed Alice Franchetti, Città di Castello, Perugia, Italy
September 2005 - July 2010
Grade 100/100

AWARDS

Excellent graduate student,
Università di Roma "La Sapienza"
Award given to the best graduated students of the year.
May 2017

Admission to the PhD Program in Engineering in Computer Science,
Università di Roma "La Sapienza"
September 2016

Admission to the Excellence Path,
Master of Science in Artificial Intelligence and Robotics
For the number of exams given in the first year (7) and the mean grade (29.71/30)
Università di Roma "La Sapienza"
March 2016

PUBLICATIONS

2018
Massimiliano Mancini, Samuel Rota Bulò, Barbara Caputo and Elisa Ricci.
Robust Place Categorization with Deep Domain Generalization.
IEEE Robotics and Automation Letters, July 2018, vol. 3, n. 3., pp. 2093-2100.

2017
Massimiliano Mancini, Samuel Rota Bulò, Elisa Ricci and Barbara Caputo.
Learning Deep NBNN Representations for Robust Place Categorization.
IEEE Robotics and Automation Letters, May 2017, vol. 3, n. 2., pp. 1794-1801.
Presented at IEEE/RSJ International Conference on Intelligent Robots and Systems
(IROS) 2017, Vancouver, Canada.

Massimiliano Mancini, Jose Camacho-Collados, Ignacio Iacobacci and
Roberto Navigli.
Embedding Words and Senses together via Joint Knowledge-Enhanced Training.
Proceedings of the SIGNLL Conference on Computational Natural Language Learning,
2017, pp. 100-111.

REVIEWER ACTIVITIES

Journals:
IEEE Transactions on Multimedia
IET Computer Vision

International Journal of Machine Learning and Cybernetics
Pattern Recognition

Conferences:
IEEE International Conference on Robotics and Automation 2018

SUMMER SCHOOLS

Regularization Methods for Machine Learning (RegML) 2016
Genoa, Italy
June 27th - July 1st, 2016

International Computer Vision Summer School (ICVSS) 2017
Scicli (RG), Italy
July 9th - July 14th, 2017

OTHER RESEARCH ACTIVITIES

**Research activity in the Linguistic Computing Laboratory (LCL),
Università di Roma "La Sapienza"**
Main topics: Word Embeddings, Named Entity Recognition
Supervisor: Prof. Roberto Navigli

**Internship in the Technologies of Vision laboratory (TeV)
Fondazione Bruno Kessler**
Main topics: End-to-end training of Convolutional Neural Networks for Scene
Recognition using a Naïve Bayes Nearest Neighbor based classifier
Supervisor: Prof. Elisa Ricci
July 2016 – September 2016

**Student Volunteer for
International Conference on Computer Vision 2017**
Venice, 22-29 October 2017.

COMPUTER SKILLS

Python, Caffe, Keras, PyTorch, Java, Android SDK, C++, Matlab, Prolog, OpenGL

LANGUAGES

Italian   (mother tongue)
English   (B1, Certificate by Università degli Studi di Perugia)

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OTHER EXPERIENCES

Volunteer tourist service,
Palazzo Bourbon del Monte,
Monte Santa Maria Tiberina, Perugia, Italy
Summer 2010-2011-2012-2013-2014-2015

Trento, 10th April 2018

Massimiliano Mancini