

# 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

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## 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

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## PUBLICATIONS

### 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.

### 2016

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.

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## 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

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## 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

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## 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.

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## COMPUTER SKILLS

**Java, Python, C, C++, Matlab, Octave, Prolog, ASP, OpenGL,  
FF-METRIC, Caffe, Keras, V-REP, Protege, Petri Net Plans, Android SDK**

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## 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, 11st December 2017

Massimiliano Mancini