

Andrea Palazzi
ndrplz@gmail.com
+39 347 318 5472

EDUCATION

- 2012-2015 Master Degree in Computer Engineering
University of Modena and Reggio Emilia, Italy.
Mark: 110 / 110 cum laude.
- 2009-2012 Bachelor Degree in Computer Engineering
University of Modena and Reggio Emilia, Italy.

LANGUAGES

- | | |
|---------|---------------|
| Italian | mother tongue |
| English | proficient |
| German | basic |
| French | basic |

WORK EXPERIENCE

- 09/2015 – ongoing University of Modena and Reggio Emilia
Research Fellow in ImageLab
My research fields are Machine Learning, Pattern Recognition and Computer Vision. I'm currently working on deeply-learned models of human attention while driving, with applications to assisted and autonomous driving. My supervisors are Prof. Rita Cucchiara and Prof. Simone Calderara.
Site: <http://imagelab.ing.unimore.it/imagelab/>
- 01/2015 – 09/2015 Expert System, Modena, Italy
Software Developer in R&D
Software development with C# and C++ languages, in the context of natural language processing.
Site: <http://www.expertsystem.com/>

PET PROJECTS

- Spring 2016 Engineering and development of a face detection and recognition system embedded on Raspberry Pi 2 for Nortech Engineering Srl, Bologna.
- Winter 2015 Development of a toy Matlab game in which a car learns how to drive in a little circuit as a case-of-study of Reinforcement Learning (Q-Learning).
- Spring 2014 Toy domotic system based on speech recognition as home project for the course of Machine Learning.
- 2014 Creation of a extremely cheap, Arduino-controlled, prosthetic hand prototype.
- Autumn 2012 Wooden robot arm controlled by Arduino for my Bachelor Thesis. I also developed a GUI in Processing to be able to record actions and view the current state of the arm.

These and other pet projects I made can be found on youtube at: www.youtube.com/user/plzndr

TECHNICAL SKILLS

Languages: Python, Matlab, C, C++, C#, Java, Shell, Powershell, SQL, LaTeX, HTML
Libraries: OpenCV, Keras, Theano, Tensorflow, Arduino, Processing

CERTIFICATES, COURSES ATTENDED

26/06/2016 -01/07/2016 Selected to participate to *RegML 2016*, summer school on Regularization Methods for Machine Learning held by Lorenzo Rosasco at the University of Genova

01/12/2015 Certificate of *Machine Learning Course on Coursera* (Stanford Online)

Autumn 2015 Passed government exam and licensed as a professional engineer

07/05/2013-09/05/2013 Participation to the *Second Short Spring School in Surveillance (S5)*, organized by Imagelab Research Group at Department of Engineering “Enzo Ferrari”, Modena.

01/08/2008 Certificate of a two-week English Course at C1 Level of English (Oxford)

01/03/2008 Cambridge ESOL Certificate in English, Level B2.

TEACHING ACTIVITIES

2016 Laboratory lecturer for the Computer Vision course, Prof. Cucchiara, at University of Modena and Reggio Emilia

PARTICIPATION TO EVENTS

10/06/2016 Exhibitor at Research2Business trade fair for Softech-ICT (Bologna)

14/05/2016 Lecturer at conference “Antidoti al Pregiudizio”, presenting the work realized by Imagelab in collaboration with the Department of Education and Humanities of Modena with the goal of reducing prejudice against disabled in primary schools (Carpi)

PUBLICATIONS

2016 Andrea Palazzi, Loris Vezzali, Simone Calderara, Nicola Bicocchi, Franco Zambonelli, Rita Cucchiara, *Spotting Prejudice with Nonverbal Behaviours*, accepted to Ubicomp, February 2016.

Stefano Alletto*, Andrea Palazzi*, Francesco Solera*, Simone Calderara, Rita Cucchiara, *DR(eye)VE: a Dataset for Attention-Based Tasks with Applications to Autonomous and Assisted Driving*, Computer Vision in Vehicle Technology 2016, March 2016. (*equal contribution)