

# Andrea Palazzi

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## SKILLS

Topics: Computer Vision, Deep Learning, Machine Learning  
Languages: Python, Matlab, C++, C  
Libraries: OpenCV, Keras, Theano, Tensorflow

## EDUCATION

11/2016-ongoing *PhD Student*  
University of Modena and Reggio Emilia, Italy.  
Topic: *Computer Vision and Deep Learning techniques applied to Automotive.*  
Supervisor: Prof. Rita Cucchiara.

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.

## WORK EXPERIENCE

09/2015 – 10/2016 *Research Fellow at ImageLab*  
University of Modena and Reggio Emilia

01/2015 – 09/2015 *Software Developer in R&D (Natural Language Processing)*  
Internship at Expert System, Modena, Italy

## TEACHING ACTIVITIES

2017 *Computer Vision*, laboratory lecturer (UniMoRe).

2016 *Computer Vision*, laboratory lecturer (UniMoRe).  
*Machine Learning and Pattern Recognition*, laboratory lecturer (UniMoRe)

## CERTIFICATES, COURSES, SCHOOLS ATTENDED

2017 Currently enrolled at *Udacity Self-Driving Car Engineer Nanodegree*.

2016 *RegML 2016*, summer school on Regularization Methods for Machine Learning held by Lorenzo Rosasco at IIT (Genoa)

2015 Certificate of *Machine Learning Course* (Coursera)  
Passed government exam and licensed as a professional engineer

2013 *Second Short Spring School in Surveillance*, organized by ImageLab Research Group at UniMoRe, Modena.

2008 English Course at C1 Level of English (Oxford)  
Cambridge ESOL Certificate in English, Level B2.

## LANGUAGES

Italian:	mother tongue	German:	basic
English:	proficient	French:	basic

## OTHER PROJECTS

- 2016                      Engineering and development of a *face detection and recognition system embedded on Raspberry Pi 2* for Nortech Engineering Srl, Bologna.
- Before 2016            Pet projects I made during my time in college can be found on my youtube channel: <https://www.youtube.com/channel/UCIO-FnuT-EvswayvLWsD90Q>.

## PARTICIPATION TO EVENTS

- 2016                      ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp), Heidelberg, Germany
- Exhibitor at Research2Business trade fair for Softech-ICT (Bologna).
- 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

- 2017                      Palazzi, A., Solera, F., Calderara, S., Alletto, S., & Cucchiara, R., Learning Where to Attend Like a Human Driver, accepted to *IEEE Intelligent Vehicles Symposium 2017*
- 2016                      Palazzi, A., Solera, F., Calderara, S., Alletto, S., & Cucchiara, R. (2016). Where Should You Attend While Driving?. *arXiv preprint arXiv:1611.08215*.
- Solera, F., & Palazzi, A. (2016). A Statistical Test for Joint Distributions Equivalence. *arXiv preprint arXiv:1607.07270*.
- Palazzi, A., Calderara, S., Bicocchi, N., Vezzali, L., di Bernardo, G. A., Zambonelli, F., & Cucchiara, R. (2016, September). Spotting prejudice with nonverbal behaviours. In *Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing* (pp. 853-862). ACM. (Oral Presentation)
- Alletto, S., Palazzi, A., Solera, F., Calderara, S., & Cucchiara, R. (2016). Dr (Eye) Ve: A dataset for attention-based tasks with applications to autonomous and assisted driving. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition Workshops* (pp. 54-60).

## PRESS

- 2016                      The international science magazine New Scientist, based in UK, dedicates a cover article to ImageLab's research about recognition of non-verbal behaviours: <https://www.newscientist.com/article/mg23130933-200-camera-spots-your-hidden-prejudices-from-your-body-language/>.