

# Andrea Palazzi

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## SKILLS

Topics: Computer Vision, Deep Learning, Machine Learning.  
Languages: Python, Matlab, C++, C. Proficient with Git.  
Libraries: OpenCV, TensorFlow, PyTorch, Keras, Theano.

## 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 *Deep Learning*, course lecturer in Master of Visual Computing (UniMoRe) [[Slides](#)].  
*Computer Vision*, laboratory lecturer (UniMoRe).  
*Machine Learning and Pattern Recognition*, laboratory lecturer (UniMoRe).

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

## CERTIFICATES, COURSES, SCHOOLS ATTENDED

2017 *Udacity Self-Driving Car Engineer Nanodegree* (graduating in a few days).

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](#).

## PRESS

- 2016      International science magazine New Scientist, dedicates a [cover article](#) to ImageLab's research about recognition of non-verbal behaviours.

## PUBLICATIONS

- 2017      Palazzi, A., Abati, D., Calderara, S., Solera, F., & Cucchiara, R. (2017). Predicting the Driver's Focus of Attention: the DR (eye) VE Project. *arXiv preprint arXiv:1705.03854*. (currently under review at TPAMI)
- Palazzi, A., Borghi, G., Abati, D., Calderara, S., & Cucchiara, R., Learning to Map Vehicles into Bird's Eye View. In *International Conference on Image Analysis and Processing (ICIAP) 2017* (Oral Presentation, Special Mention Best Paper Award)
- Palazzi, A., Solera, F., Calderara, S., Alletto, S., & Cucchiara, R. (2017, June). Learning Where to Attend Like a Human Driver. In *Intelligent Vehicles Symposium (IV), 2017 IEEE* (pp. 920-925). IEEE.
- Cornia, M., Abati, D., Baraldi, L., Palazzi, A., Calderara, S., & Cucchiara, R. (2017). Attentive Models in Vision: Computing Saliency Maps in the Deep Learning Era. In *16th International Conference of the Italian Association for Artificial Intelligence*. (Oral Presentation)
- Di Bernardo, G. A., Vezzali, L., Palazzi, A., Calderara, S., Bicocchi, N., Zambonelli, F., ... & Cadamuro, A. (2017). A new era in the study of intergroup nonverbal behaviour: Studying intergroup dyadic interactions "online". In *18th General Meeting of the European Association of Social Psychology*.
- 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).