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 — The international science magazine New Scientist, based in UK, 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).