

Emanuele SANSONE

PERSONAL DATA

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ACADEMIC EXPERIENCE

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|------------------|---|
| 2016 | Teaching Assistant, Computer Vision (Code 140266)
<i>M.Sc. in Telecommunications Engineering, University of Trento, Italy</i>
Machine Learning for Computer Vision (introduction to statistical learning theory and neural networks). |
| 2015 | Teaching Assistant, Multimedia Networking (Code 140151)
<i>M.Sc. in Telecommunications Engineering, University of Trento, Italy</i>
Principles of video compression/coding (useful for transmission/storage of video files). |
| 2015-2016 | Research Intern
<i>LAMDA group, Nanjing University, China</i>
Advised by Prof. Zhi-Hua Zhou.
I've studied semi-supervised learning as well as positive unlabeled learning. |
| 2013-
CURRENT | Ph.D. candidate
<i>ICT doctoral school, University of Trento, Italy</i>
Advised by Prof. Francesco G.B. De Natale.
My research focuses in machine learning. In particular, I'm working to solve the problem of learning a classifier (e.g. neural network) with little supervision (one or a handful of labeled samples) by exploiting unlabeled data. |
| 2011-2012 | M.Sc. in TELECOMMUNICATIONS ENGINEERING
University of Trento, Italy
Thesis: "Multimodal Photo Galleries Synchronization"
Advisor: Prof. Nicola Conci, Giulia Boato
110/110 <i>summa cum laude</i> GPA: 28.82/30 |
| 2008-2010 | B.Sc. in TELECOMMUNICATIONS ENGINEERING
University of Trento, Italy
Thesis: "Master P-NET protocol implementation on PIC 32 architecture"
Advisor: Prof. Dario Petri, Eng. Michele Corrà |

SPORT EXPERIENCE

2011- CURRENT	<p>Ski master instructor</p> <p><i>Italy</i></p> <p>Holding several professional education and training courses for ski instructors and candidate ski instructors. This is the highest professional degree in alpine skiing (the total number of ski master instructors in Italy is around 200).</p>
2007- CURRENT	<p>Ski coach</p> <p><i>Italy</i></p> <p>Coach of young athletes (6-20 years old) in several racing ski teams: Ski Team Sopramonte (2007/2008), Sci Club Padova (2008/2009), Sci Club Panarotta (2009-2011), Ski Team Paganella (2013/2014), Campiglio Ski Team (2016/2017).</p>
2002-2007	<p>Ski athlete</p> <p><i>Italy</i></p> <p>See a sample list of records.</p>

AWARDS AND CERTIFICATES

2016	<p>Academic hardware grant award</p> <p><i>Hong Kong, China</i></p> <p>Provision of a NVIDIA Titan X GPU</p> <p>Organization: NVIDIA corporation</p>
2015	<p>Machine Learning Summer School</p> <p><i>Austin, USA</i></p> <p>Certificate of attendance</p> <p>Organization: University of Texas at Austin</p>
2012	<p>Merit award</p> <p><i>Trento, Italy</i></p> <p>Award assigned to distinguished students</p> <p>Organization: University of Trento</p>
2011	<p>Ski master instructor</p> <p><i>Milan, Italy</i></p> <p>Certificate</p> <p>Organization: FISI, CoScuMa</p>
2011	<p>Ski coach (3° level)</p> <p><i>Milan, Italy</i></p> <p>Certificate</p> <p>Organization: FISI, STF</p>
2007	<p>Ski instructor</p> <p><i>Trento, Italy</i></p> <p>Certificate</p> <p>Organization: PAT</p>

PUBLICATIONS

2017	Training Feedforward Neural Networks with Standard Logistic Activations is Feasible E. Sansone, F.G.B De Natale In review (1st round) IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)
2017	Efficient Training for Positive Unlabeled Learning E. Sansone, F.G.B De Natale, Z.H. Zhou In review (2nd round) IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)
2017	Automatic Synchronization of Multi-User Photo Galleries E. Sansone, K. Apostolidis, N. Conci, G. Boato, V. Mezaris, F.G.B. De Natale IEEE Transactions on Multimedia (TMM)
2016	Classtering: Joint Classification and Clustering with Mixture of Factor Analysers E. Sansone, A. Passerini, F.G.B. De Natale European Conference on Artificial Intelligence (ECAI)
2014	Synchronizing Multi-User Photo Galleries with MRF E. Sansone, G. Boato, MS. Dao MediaEval Workshop
2013	Event Clustering and Classification from Social Media: Watershed-based and Kernel Methods TV. Nguyen, MS. Dao, R. Mattivi, E. Sansone, F.G.B. De Natale, G. Boato MediaEval Workshop

LANGUAGES

ITALIAN:	Mothertongue
ENGLISH:	Fluent (C2)
GERMAN:	Fluent (B2)

INTERESTS

RESEARCH	I'm passionate about artificial intelligence and more specifically machine learning, but I'm also curious about other areas involving the study of the human learning process, like cognitive science.
VOLUNTEERING	From 2012 to 2014, I've participated to a no-profit association, GiPro , composed by young representatives of different sectors (e.g. ski instructors, engineers, lawyers, psychologists). The goal of the association is to promote the professional categories on the territory and stimulate the inter-professional collaboration of young people.
OTHERS	I like travelling around the world. In the past, I had several solo journeys in different countries, like China and Vietnam.

REFERENCES

Upon request