DIEGO MARCHEGGIANI
Curriculum Vitae

Date of Birth: 15 May 1983
Citizenship: Italian
Languages: Italian (Native), English (Fluent)

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1098 XG, Amsterdam

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WORK

UvA - ILLC, Amsterdam, NL September 2015 - Today
Post-doc researcher in the team of Ivan Titov at the Institute for Logic, Language, and Computation (ILLC) .

ISTI - CNR, Pisa, Italy September 2009 – July 2015
Contract Researcher at the Networked Multimedia Information Systems Laboratory, Human Language Technologies group.

EDUCATION

Università Ca' Foscari di Venezia September 2010 - June 2014
PhD in Computer Science, with the thesis "Beyond Linear-chain: a journey through conditional random fields for information extraction from text.".
Supervisors: Fabrizio Sebastiani, Andrea Esuli.

Università di Pisa September 2006 - June 2009
M.Sc. in Computer Science, with the thesis "Active Learning for Information Extraction".
Supervisors: Fabrizio Sebastiani, Andrea Esuli.

Università degli Studi di Perugia September 2002 - November 2006
B.Sc. in Computer Science with curriculum in Computer Networks.

PUBLICATIONS

Diego Marcheggiani, Anton Frolov, Ivan Titov
A Simple and Accurate Syntax-Agnostic Neural Model for Dependency-based Semantic Role Labeling
Arxiv preprint, 2017.

Diego Marcheggiani, Ivan Titov
Discrete-State Variational Autoencoders for Joint Discovery and Factorization of Relations.
In Transaction of the ACL (TACL 2016)

Salud Marıa Jiménez Zafra, Giacomo Berardi, Andrea Esuli, Diego Marcheggiani, Marıa Teresa Martın-Valdivia, Alejandro Moreo Fernández.
A Multi-lingual Annotated Dataset for Aspect-Oriented Opinion Mining
In Proceedings of the 2015 Conference on Empirical Methods in Natural Language Processing (EMNLP 2015)

Giacomo Berardi, Andrea Esuli, Diego Marcheggiani.
Word Embeddings Go to Italy: A Comparison of Models and Training Datasets
In Proceedings of the 6th Italian Workshop on Information Retrieval (IIR 2015)

Giacomo Berardi, Diego Ceccarelli, Andrea Esuli, Diego Marcheggiani.
On the Impact of Entity Linking in Microblog Real-Time Filtering
In Proceedings of the 30th ACM Symposium on Applied Computing (SAC 2015)

Diego Marcheggiani, Thierry Artières.
An Experimental Comparison of Active Learning Strategies for Partially Labeled Sequences.
In Proceedings of the 2014 Conference on Empirical Methods in Natural Language Processing (EMNLP 2014)

Diego Marcheggiani, Oscar Täckström, Andrea Esuli, and Fabrizio Sebastiani.
Hierarchical Multi-label Conditional Random Fields for Aspect-Oriented Opinion Mining.
In Proceedings of the 36th European Conference on Information Retrieval, (ECIR 2014)

Andrea Esuli, Diego Marcheggiani, and Fabrizio Sebastiani.
An Enhanced CRFs-based System for Information Extraction from Radiology Reports
Journal of Biomedical Informatics

Giacomo Berardi, Andrea Esuli and Diego Marcheggiani.
ISTI@ TREC Microblog track 2012: real-time filtering through supervised learning
In Proceedings of the Twenty-first Text REtrieval Conference, (TREC 2012)

Giacomo Berardi, Andrea Esuli, Diego Marcheggiani, and Fabrizio Sebastiani.
ISTI@ TREC Microblog Track 2011: Exploring the Use of Hashtag Segmentation and Text Quality Ranking
In Proceedings of the Twentieth Text REtrieval Conference, (TREC 2011)

Andrea Esuli, Diego Marcheggiani, and Fabrizio Sebastiani.
Sentence-Based Active Learning Strategies for Information Extraction.
In Proceedings of the First Italian Information Retrieval Workshop, (IIR 2010)

Diego Marcheggiani, Fabrizio Sebastiani, and Andrea Esuli.
Isti@semeval-2 task 8: Boosting-based multiway relation classification.
In Proceedings of the 5th International Workshop on Semantic Evaluation, (SEMEVAL 2010)

VISITOR RESEARCHER

University of Amsterdam,
Institute for Logic, Language and Computation, Amsterdam — September - November 2014

Université Pierre et Marie Curie,
Laboratoire d'informatique de Paris 6, Paris — October - December 2012

Swedish Institute of Computer Science (SICS), Stockholm — April 2011

PEER REVIEWING

I have been reviewer for ACL, NAACL, EACL, EMNLP, COLING, ICLR, etc.

RESEARCH TOPICS

I am interested in supervised and unsupervised neural network approaches (a.k.a. *deep learning*) to natural language understanding.
I recently worked on tensor factorization models for unsupervised discovery of relations between entity pairs and on neural sentence encoders for the task of semantic role labeling.

TECHNICAL SKILLS

Experience in designing and implementing machine learning model for natural language processing.

Programming languages: Python, Java, Scala, C/C++

Code: github (diegma)