Paolo Dragone

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Current position

2015-2018 **PhD student**
Department of Information Engineering and Computer Science, University of Trento, Italy.
My PhD is funded by Telecom Italia and I closely cooperate with the Telecom SKIL Lab in Trento.
My PhD advisor is Andrea Passerini.

Research interests

My current research work is focused on machine learning and artificial intelligence. In particular, my PhD thesis is about "constructive recommendation", which is the task of recommending novel objects by creating them from scratch. This research work spans through several areas of machine learning such as online learning, preference elicitation, structured output prediction and recommendation systems. Other research areas I am interested in are statistical relational learning, reinforcement learning, convex optimization and other artificial intelligence fields such as constraint programming, information retrieval and natural language processing.

Publications

Conferences & Journals

Teso, S. & Dragone, P. & Passerini, A. (2017) "Coactive Critiquing: Elicitation of Preferences and Features". In *AAAI 2017*

Dragone, P. & Lison, P. (2016) "Classification and Resolution of Non-Sentential Utterances in Dialogue". In *Italian Journal of Computational Linguistics.* 2(1), pp 45-61

Dragone, P. & Lison, P. (2015) "An Active Learning Approach to the Classification of Non-Sentential Utterances". In *Proceedings of the 2nd Italian Conference on Computational Linguistics.* ***Young Best Paper Award***

Workshops

Dragone, P. & Erculiani, L. & Chietera, M. T. & Teso, S. & Passerini, A. (2016) "Constructive Layout Synthesis via Coactive Learning". In *Constructive Machine Learning workshop at NIPS 2016*

Teso, S. & Dragone, P. & Passerini, A. (2016) "Structured Feedback for Preference Elicitation in Complex Domains". In *BeyondLabeler workshop at the International Joint Conference on Artificial Intelligence 2016*

Dragone, P. & Lison, P. (2015) "Non-sentential utterances in dialogue: experiments in classification and interpretation". In *Proceedings of the 19th Workshop on the Semantics and Pragmatics of Dialogue.*

Master Thesis

Dragone, P. (2015) "Non-Sentential Utterances in Dialogue: Experiments in Classification and Interpretation". Master Thesis. Sapienza University of Rome.

Education

2013-2015 **M.Sc. in Engineering in Computer Science**
Sapienza University of Rome (Italy)
Grade: 110/110 with laude
Specialization: Artificial Intelligence
Thesis: "Non-Sentential Utterances in Dialogue: Experiments in Classification and Interpretation"
Advisor: Roberto Navigli

2015 **Masters thesis abroad**
University of Oslo (Norway)
External advisor: Pierre Lison

2014 **Exchange program**
University of Melbourne (Australia)
Specialization: Information Retrieval, Machine Learning, Advanced Planning, Constraint Programming

2010-2013 **B.Sc. in Engineering in Computer Science and Control Engineering**
Sapienza University of Rome (Italy)
Grade: 110/110

Other activities

May 2016 **Machine Learning Summer School 2016**
University of Cádiz (Spain)

2016-2018 **Teaching assistant**
Univerisity of Trento (Italy)
Teaching laboratory lectures in the Machine Learning graduate course and assistance to the oral examination.

Oct 2016 **Sub-reviewer for AAAI 2017**

Mar-Apr 2017 **Visiting PhD student**
LIP6, UPMC, Paris (France)

Work experience

2012-2013 **Software engineer** (ASP.NET, Java)
Brains Engineering
Rome (Italy)
Website: www.brainsen.com

Personal Skills

Artificial Intelligence: Machine learning, statistical learning, probabilistic modelling, neural networks, mathematical and evolutionary optimization, constraint programming, information retrieval, natural language processing, knowledge representation, ontologies, planning.

Computer Science: Algorithms and data structures, complexity and computability, graph theory, randomized algorithms, dynamic programming, linear programming, computational game theory, operating systems, database management systems, software engineering, design patterns.

Programming: Mainly work with Java and Python. Worked in the past also with C#, ASP.NET, PHP, Javascript, Prolog, SQL.
Familiar with many programming framework, such as Java EE, JUnit, Hadoop, Numpy, Scikit-learn, and programming tools such as Git, Maven, Javadoc, Sphinx.
Mainly work on the Linux operating system, familiar with the Linux shell commands.

Languages

Mother tongue: Italian

Other languages:

	Listening	Reading	Speaking	Writing
English	C1	C1	C1	C1
	TOEFL ibt (99/120)			