

Matteo Tiezzi– Curriculum Vitae

Current Position

2017- now **PhD Student**, Information Engineering - Artificial Intelligence and Machine Learning
University of Siena, Italy
Advisor Prof. Marco Maggini

Research Interests

I am generally interested in Artificial Intelligence, Machine learning, and other connected areas of computer science. My recent contributes are related to both the application of Deep Learning models to sequence and video analysis, regarding Computer Vision tasks, and foundational studies regarding novel learning algorithms and neural models. Moreover, my interests include models suited to structured data (Graph Neural Networks).

Education

- 2017** **M.S. (cum Laude)**, Computer and Automation Engineering (Information Systems)
Advisor Prof. Marco Maggini
Thesis:
Traffic events monitoring with recurrent neural networks
- 2014** **B.S.**, Computer and Information Engineering
Advisor Prof. Marco Maggini
Thesis:
Estrazione automatica di informazioni salienti da pagine Web con XPath
(Automatic extraction of relevant information from Web pages using XPath)
- 2010** Liceo Scientifico F. Redi - Arezzo, (AR) Italy
High school certificate of education ("Maturit'a Scientifica"), with mark 95/100

Publications - International Conferences

- 2018** M. Tiezzi, S. Melacci, M. Maggini, A. Frosini:
Video Surveillance of Highway Traffic Events by Deep Learning Architectures
International Conference on Artificial Neural Networks(ICANN2018) , 584-593

2018 A. Rossi, M. Tiezzi, GM. Dimitri, M. Bianchini, M. Maggini, F. Scarselli :
Inductive-Transductive Learning with Graph Neural Networks
IAPR Workshop on Artificial Neural Networks in Pattern Recognition (ANNPR2018), 201-212

Attended Conferences and Workshops

Oct.2018 International Conference on Artificial Neural Networks,
Rhodes (Greece)

Grants and Awards

- **Recurrent neural networks for vehicle traffic event and state monitoring, DIISM and IsTech s.r.l. scholarship**
- **Premio Matteo 2017 (Matteo Lanzoni Prize), Best thesis on road safety**
- **SoBigData Soccer Data Challenge, Oct. 2018, member of the winning team**

Internships

July 2016 - Jan. 2017 DIISM Siena - isTech S.r.l , Pistoia
I won a scholarship for a research internship at Dipartimento di Ingegneria dell'Informazione e Scienza Matematiche di Siena and IsTech s.r.l regarding the implantation and validation of a prototype system for vehicle traffic events monitoring, using recurrent neural networks.

June 2014 - Nov. 2014 QuestIt S.r.l , Siena
Analysis and information extraction from web pages
Use of XPath to extract relevant information from web pages as input to MySnooper service.

Computer skills

Operating Systems Operating Systems: Windows (all versions), Linux (various distros, mainly Ubuntu)
Languages C, C++, HTML, CSS, PHP, XML, Python
Development Env. Microsoft Visual Studio, Pycharm, NetBeans
Applications Microsoft Office, OpenOffice, Gimp, \LaTeX , Sony Vegas
Misc Experience and knowledge of PC components, peripherals and networking.

Languages

Italian (mother tongue)
English (very good reading/writing skills, good oral skills)
Cambridge PET certification obtained (final score: Pass with Merit)
B2 english eligibility obtained during the M.S.