Davide **Talon**

PhD Student in Machine Learning

Via Vittorio Veneto, 6, Eraclea, Venezia
Date of birth: 29/03/1994 , Nationality: Italiana

(+39) 333 6036751 | talon.davide@gmail.com | davidetalon
davidetalon | davidetalon.github.io | talon.davide

Education

2020 - Today | **PhD Student in Machine Learning** | *Istituto Italiano di Tecnologia*
First year PhD student at University of Genova.
Part of the Visual Geometry and Modelling Lab at Istituto Italiano di Tecnologia. Advised by dr. Alessio del Bue.

2017 - 2020 | **M.S. Computer Engineering** | *University of Padova*, 110 *cum laude*
Thesis: "Contextual Multi-task Learning via Regularization",
Advisor: Alessandro Chiuso.

2013 - 2017 | **B.S. Information Engineering** | *University of Padova*, 103/110
Thesis: "Experimental study of adaptive video streaming algorithms",
Advisor: Andrea Zanella.

Relevant Working Experiences

Charanga Ltd Software Developer Intern

June 2012 | *Brighton, UK*
Development using Ruby On Rails of the DAMS (Digital Assets Management System) of the company.

Skills

Computer skills	Intermediate: Java, Python, Matlab, Keras, Pytorch, MacOS X, Linux - Base: Git, C, Apache Spark, MPI, Windows.
Presentation	Latex, MS Office: Word, Excel, PowerPoint.
Soft skills	Team working, leadership, open-mindness, self-motivation, self-management, curiosity, problem setting, problem solving, persistence.
English	According to CEFR - Listening: B2, Reading: B2, Writing: B2, Speaking: B2 .

Relevant Coursework

Algorithms

Divide and Conquer, Dynamic Programming, Greedy

Advanced Algorithms

Randomized algorithms, Numerical Problems(Cryptography), Approximation algorithms

Telecommunication

Source Coding, Channel Coding, Information Theory, ISO/OSI layers and protocols, Network modeling (Markov Chains, Poisson and Markov Processes)

Machine Learning

Statistical Learning, basic models (SVM, perceptron, Neural Network), PCA, SOM, Deep Learning(FFNN, CNN, RNN), Reinforcement Learning, Speech Recognition, GAN

Big Data Computing

Clustering(k-means, k-median, hierarchical), Association Analysis, Graph Analytics, MapReduce on Spark

Pubblication

D. Talon, L. Attanasio, F. Chiariotti, M. Gadaleta, A. Zanella, and M. Rossi, "Comparing DASH adaptation algorithms in a real network environment", *accepted in the Proceedings of the European Wireless 2019*, 2-4 May 2019, Aarhus, Denmark.