

Daniele REDA

WORK EXPERIENCE

MAY 2018 - JULY 2018

Wayve Technologies, Cambridge, UK

Reinforcement Learning Research Internship

Reinforcement learning for autonomous driving.

AUGUST 2017 - FEBRUARY 2018

University of California, Berkeley

Visiting Research Scholar at BAIR

Research scholar with professor Ruzena Bajcsy at BAIR Berkeley Artificial Intelligence Research lab (bair.berkeley.edu).

MARCH 2016 - JUNE 2016

Polytechnic University of Turin, Italy

Student Assistant

Teaching Java laboratories for the undergraduate course of Object Oriented Programming.

SEPTEMBER 2015 - MARCH 2016

Polytechnic University of Turin, Italy

Technical Assistant

Linux and Windows maintenance duties in the Advanced Computer Science Laboratory.

SEPTEMBER 2011 - SEPTEMBER 2014

Italian Referee Association (AIA) - FIGC

Football Referee

Football referee for the national association.

RELEVANT PROJECTS

2018

Software used: MatLab, Python

Non-invasive markers for the detection of truth telling in surveys

M.Sc. thesis: Development of statistical and predictive models for truth telling recognition aimed to improve diagnosis and other type of surveys.

2017

Software used: Python, Tensorflow

Learning to play Atari Pong with Tensorflow on openAI Universe

Analysis of the reinforcement learning model, studying of the mathematical theoretical formulations and exploration of openAI environments and algorithms application.

2016

Software used: Java

A pilot study on mouse and gaze correlation

Building of a methodology to find a correlation between gaze and mouse behaviours, achieved exploiting random forests as a classification algorithm.

📍 Cambridge, UK

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EDUCATION

SEPTEMBER 2016 - APRIL 2018

Telecom ParisTech - Eurecom Campus, France

Data Science Engineering, M.Sc. cum laude

Topics: system security, cryptography, machine learning, big data and distributed systems, statistical inference, deep learning.

SEPTEMBER 2015 - APRIL 2018

Polytechnic University of Turin, Italy

Software Engineering, M.Sc. cum laude

Topics: database management systems, data mining, distributed programming, formal languages, compilers, optimization methods.

SEPTEMBER 2012 - JULY 2015

Polytechnic University of Turin, Italy

Computer Engineering, B.Sc.

Topics: algorithms, data structures, networks, operating systems, computer architecture, databases, object oriented programming.

SKILLS

SOFTWARE Python, C, Java, MatLab, SQL, \LaTeX , MapReduce, Hadoop, Spark, machine learning and data mining techniques

SOFT communication and leadership skills, organizational and team working skills, 7+ years of volunteering background

LANGUAGES

ITALIAN Native speaker

ENGLISH Proficient

SPANISH Intermediate

FRENCH Basic