

Daniele Reda

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EDUCATION

- Telecom ParisTech - Eurecom Research Center**, Sophia Antipolis, France Sep. 2016 – Apr. 2018
Master of Science in Computer Science, cum laude
- Polytechnic University of Turin**, Turin, Italy Sep. 2015 – Apr. 2018
Master of Science in Computer Engineering, cum laude
- Polytechnic University of Turin**, Turin, Italy Sep. 2012 – Jul. 2015
Bachelor of Science in Computer Engineering

EXPERIENCE

- Wayve Technologies**, Cambridge, UK, *Reinforcement learning Research Engineer* Aug. 2018 – current
◦ Reinforcement learning on autonomous vehicles.
- Wayve Technologies**, Cambridge, UK, *Reinforcement learning Research Intern* May 2018 – Jul. 2018
◦ Reinforcement learning on autonomous vehicles.
- University of California, Berkeley**, Berkeley, CA, *Visiting Research Scholar* Aug. 2017 – Feb. 2018
◦ Research scholar with professor Ruzena Bajcsy at Berkeley AI Research Lab working on statistical models for truth telling recognition.
- Polytechnic University of Turin**, Turin, Italy, *Student Assistant* Mar. 2016 – Jun. 2016
◦ Teaching Java laboratories for the undergraduate course of Object Oriented Programming.
- Polytechnic University of Turin**, Turin, Italy, *Technical Assistant* Sep. 2015 – Mar. 2016
◦ Linux and Windows maintenance duties in the Advanced Computer Science Laboratory.

RELEVANT PROJECTS AND PAPERS

- Learning to Drive in a Day** 2018
◦ We demonstrate the application of deep reinforcement learning to autonomous driving on a real vehicle.
◦ wayve.ai/blog/learning-to-drive-in-a-day-with-reinforcement-learning
- Non-invasive markers for the detection of truth-telling in surveys** 2018
◦ Development of statistical and predictive models for truth telling recognition aimed to improve diagnosis and other type of surveys.
◦ Software used: Matlab, Python
- Learning to play Atari Pong with Tensorflow on openAI Universe** 2017
◦ Analysis of the reinforcement learning model, studying of the mathematical theoretical formulations and exploration of openAI environments and algorithms application.
◦ Software used: Python, Tensorflow
- A pilot study on mouse and gaze correlation** 2016
◦ Building of a methodology to find a correlation between gaze and mouse behaviours, achieved exploiting random forests as a classification algorithm.
◦ Software used: Java

SKILLS

Computer Languages: Python, Java, C, SQL, Matlab

Human Languages: English, Italian, French, Spanish

Technologies: Pytorch, Hadoop, Spark, GitHub, L^AT_EX

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