

Daniele Reda

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EDUCATION

University of British Columbia

PhD in Computer Science

Sep. 2019 – ongoing
Vancouver, BC, Canada

Telecom ParisTech - Eurecom Research Center

Master of Science in Computer Science

Sep. 2016 – Apr. 2018
Sophia Antipolis, France

Polytechnic University of Turin

Master of Science in Computer Engineering, full honours

Sep. 2015 – Apr. 2018
Turin, Italy

Polytechnic University of Turin

Bachelor of Science in Computer Engineering

Sep. 2012 – Jul. 2015
Turin, Italy

EXPERIENCE

University of British Columbia

Graduate Student

May 2018 – June 2019
Vancouver, BC, Canada

- Graduate Student Teaching Assistant and Researcher

Wayve Technologies

Reinforcement learning Research Engineer

May 2018 – June 2019
Cambridge, UK

- Reinforcement learning on autonomous vehicles.

University of California, Berkeley

Visiting Research Scholar at Berkeley AI Research Lab

Aug. 2017 – Feb. 2018
Berkeley, CA

- Research scholar with professor Ruzena Bajcsy working on statistical models for truth telling recognition.

Polytechnic University of Turin

Student Assistant

Mar. 2016 – Jun. 2016
Turin, Italy

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

Polytechnic University of Turin

Technical Assistant

Sep. 2015 – Mar. 2016
Turin, Italy

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

PUBLICATIONS

- [1] Jeffrey Hawke*, Richard Shen*, Corina Gurau*, Siddharth Sharma*, **Daniele Reda***, Nikolay Nikolov*, Przemyslaw Mazur*, Sean Micklethwaite*, Nicolas Griffiths*, Amar Shah*, and Alex Kendall*. Urban driving with conditional imitation learning. *Machine Learning for Autonomous Driving Workshop at NeurIPS*, 2019. Blog post at <https://wayve.ai/blog/learned-urban-driving>.
- [2] Alex Kendall, Jeffrey Hawke, David Janz, Przemyslaw Mazur, **Daniele Reda**, John-Mark Allen, Vinh-Dieu Lam, Alex Bewley, and Amar Shah. Learning to drive in a day. *International Conference on Robotics and Automation (ICRA)*, 2019. Blog post at <https://wayve.ai/blog/l2diad>.

OTHER PROJECTS

Learning to Drive in Imagination

2018

- We demonstrate a model-based algorithm trained solely in imagination drive and generalize to multiple weathers in the real-world.
- Blog post: <https://wayve.ai/blog/dreaming-about-driving-imagination-rl>

SKILLS

Computer Languages: Python, Java, C

Human Languages: English, Italian, French, Spanish

Technologies: Pytorch, GitHub, L^AT_EX, ROS

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