RICCARDO CADEI

Mathematical Engineer

Private information: @ riccardo.cadei@epfl.ch 📞 +39 3391232740 📍 Lausanne, Switzerland 🏛 16 November 1998 (ITA)
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EDUCATION

M.Sc. in Data Science
École polytechnique fédérale de Lausanne

📅 Sept 2020 – June 2022 📍 Lausanne, Switzerland

Relevant courses: Machine Learning, Applied Data Analysis, Artificial Neural Networks, Deep Learning, Systems for Data Science.

B.Sc. in Mathematical Engineer   Vote: 110/110
Politecnico di Milano

📅 Sept 2017 – July 2020 📍 Milan, Italy

Associations: PoliMI Data Scientists, Associazione Ingegneri Matematici
Thesis: Optimization models for the planning of activities in an Oncology Day-Hospital. AMPL

EXPERIENCE

Machine Learning Engineer
L.O.L. Consultants

📅 Dec 2020 – Feb 2021 📍 [remote] Melbourne, Australia

Using DCNNs for segmentation of aerial images. PyTorch AWS

Mediterranean Machine Learning summer school
Deepmind

📅 Jan 2021 📍 [remote] Milan, Italy

Attending lectures and labs in Computer Vision and NLP taught by international AI experts. Python

MAIN PROJECTS

Rooftop (D)CNN Detection   [⌨]
LESO-PB Lab at EPFL

Detecting available rooftop area for installing photo-voltaic panels in Switzerland using U-Net architecture (DCNN). PyTorch

Graph Machine Learning Contest   [⌨]
Oracle Labs, Politecnico di Milano

Multi-label vertex classification on a protein-protein interaction network generating a powerful embedding of its graph. Python

PUBLICATIONS

👥 Conference Proceedings

- [accepted] Castello, R., Walch, A., Attias, R., Cadei, R., Jiang, S., & Scartezzini, J.-L. (2021). Quantification of the available area for rooftop photovoltaic installation from overhead imagery using convolutional neural networks., CISBAT.

AWARDS

Machine Learning

Generali Data Challenge 👤   2021
Churn Classification Datahon:
Best model and code out of 280 part.

Oracle GraphML Contest 👥   2019
1st pl. in the Kaggle final challenge of GraphML course at Politecnico di Milano in partnership with Oracle Labs (Zurich).

ML4 Networking Contest 👤   2019
1st pl. in the Kaggle final challenge of ML4 Networking course at Politecnico di Milano.

Mathematics

International competition for mathematical and logical games 👤   2018
5th national place (ITA), class L2.

Grand Prix of Applied Mathematics 👤
5th national pl. out of 7500+ stud.   2017
6th national pl. out of 7500+ stud.   2016

👤 = alone, 👥 = in team

CODING

Python Matlab R SQL Spark Scala
AMPL C RobotC LaTeX

Git Jupyter Notebook AWS

LANGUAGES

Italian   C2   (mother tongue)
English   C1
French   A1+

REFEREES

Prof. Roberto Castello   EPFL
@ roberto.castello@epfl.ch

OTHER INTERESTS

- **Marathon Runner** for Atletica Paratico Marathon regional champion U23.   2018
- **Trainer** of the athletic team of Politecnico di Milano (50+ athletes).   2018-2020
- Long distance **hiker** and **cycle tourist**.

- **Volunteer** in Bucharest, Caritas 2 weeks of child caring.   2018
- **Volunteer** in Ecuador, Operazione Mato Grosso 7 weeks of social services.   2012