



Luca Zampieri

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EDUCATION

2016 - 2019: Master double degree:

- in Computational Sciences and Engineering, at EPFL, Lausanne (Switzerland) - Class representative of year 2017-2018
- in Mathematical Engineering, at Politecnico di Milano, Milan (Italy)

2013 - 2016 : BSc. in Mechanical Engineering at EPFL, Lausanne With Erasmus at KTH (Royal Institute of Technology), Stockholm, Sweden.

2010- 2013 : French Baccalaureate in Sciences at the Lycée International in Ferney-Voltaire
Option International Italian – with Honours (France)



WORK EXPERIENCE

07/2019-09/2019: CERN Summer Student.

Topic: Implement fast evaluation for random forest and XGBoost in C++ for TMVA (ROOT)

02/2019-06/2019: Machine Learning Intern (part-time)

As part of the Computer Vision Laboratory of EPFL.

Topic: Geometric Deep Learning for Volumetric Computational Fluid Dynamics

09/2018-12/2018: Trainee at ESAC (European Space Agency)

Topic: Developing an open source Global Astronomy tool in Python, <https://github.com/bombrun/GaiaLab>

07/2017-09/2017: Intern at Fluxim. (2 months)

Topic: Scientific Computing with Automatic Differentiation and Expression Parsing in C++.

2014 - 2018 : Association treasurer and partnership manager (both position held for 1 academic year)

- Treasurer at AMAC, the student association of the Mechanical section at EPFL.
- Partnership Manager at ESN: the Erasmus Student Network

2014 - 2015 : Student Assistant at EPFL (part-time)

Helping students to understand the notions in a course of material sciences, and answering their questions.



LANGUAGES

- ✓ Italian (mother tongue)
- ✓ French (bilingual)
- ✓ English (fluent, TOEFL:104/120)
- ✓ Spanish and Swedish (still learning)



SKILLS

Software :

C++, Python (numpy, pandas, scipy, tensorflow, pytorch), Matlab, LATEX, Solidworks, PHOENIX
Beginner in spark, Labview and Ansys

Miscellaneous :

Driving License, 3rd place of the StarkHack 2018, presented project during machine learning days 2018



INTERESTS

Sports :

Swimming, hiking, Ski, Badminton, Volley-ball

Others :

3D printing, reading



LINKS & REFERENCES

Additional links:

<https://github.com/LucaZampieri>

References:

Available upon request