Francesco Moncada

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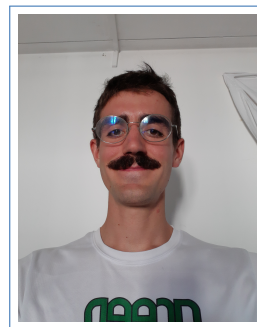
Education

2025–present	**PhD in Environmental Engineering**, *Polytechnic University of Catalonia*, Barcelona, Spain
2021–2023	**MSc in Climate Physics**, *Utrecht University*, Utrecht, Netherlands, Final grade: 8/10
2021–2021	**24 ECTs from MSc in Sustainable Energy and Technology**, *University of TUDelft*, Delft, Netherlands
2017–2021	**BSc Physics**, *University of Milan*, Milan, Italy, Final grade: 102/110
2012–2017	**Scientific High School Diploma**, *Liceo Scientifico Statale Einstein*, Milano, Italy, Score: 95/100

Experience

Work Experience

February 2024 - June 2024	**CNRS**, *Grenoble*, France ○ This experience is a continuation of my master's thesis. I analysed and manipulated large remote sensing Antarctic datasets and applied machine learning model to predict calving front position.

Internships

April - December 2023	**Internship at IGE**, *CNRS*, UGA, Grenoble, France ○ Internship organized by the lab IGE, at the universty of Grenoble Activities: - My work consisted in analyising remote sensing datasets about antarctic physical variables and create a predictive machine learning model for ice calving and ice fron position

2020-2021	**Internship at the company Siram Veolia**, *Milano*

- Internship organized by the company Siram Veolia and the University of Milano.
Activities:
  - My work has been to analyze the energy consumption of a hospital, computing predictive models.

Summer 2016	**International Physics Summer School - Optics**, *Czech Republic*

- Internship organized by the University of Insubria and by the Palacky University of Olomouc, for selected high school students. Activities:
  - My research group was focused on the analysis of a source of light through a particular optical path.

Computer Skills

- **Microsoft Office**: Word, Excel, PowerPoint
- **Python**: programming oriented through climate model simulations and machine learning algorithms
- **C++**: object-oriented programming for scientific data analysis and numerical simulations
- **Root**
- LaTeX

Language Skills

- English - IELTS certificate (Overall result: 7)
- French - B2
- Italian - Native

External Links

- **GitHub**: https://github.com/Moncada-Francesco-97
- **LinkedIn**: https://www.linkedin.com/in/francesco-moncada-8b02a61b5/

References

- Professor **Romain Millan**:
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- Researcher **Jordi Bolibar**:
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- Professor **Peter Kuipers Munneke**:
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