



VICTOR MANGLEER

PhD. Student in Engineering Physics,
Applying Deep Learning to Climate Modeling

PERSONAL

For me, the most interesting scientific fields are artificial intelligence and applied physics. One of the reasons that thrives me to this day is to explore their crossroad.

CONTACT

 Rue des Augustins 30,
4000 Liège, Belgique

 +32 (0) 488 64 37 31

 vmangleer@uliege.be

 github.com/VikVador

PRO. SKILLS

- **ENGLISH** (Bilingual)
- **GERMAN** (Working proficiency)
- **PYTHON**
- **MATLAB**
- **JAVA, HTML & CSS** (*Django*)
- **C & C++** (*OpenMP, MPI & Kokkos*)
- **DEEP LEARNING**
- **MACHINE LEARNING**
- **OPTIMIZATION** (*NX Siemens*)
- **FLUID DYNAMICS** (*OpenFOAM*)
- **SOLID MECHANICS** (*Metafor & Gmsh*)

ABOUT ME

I am a curious, social, dynamic, open minded, and organized person. From a young age, I enjoyed helping and teaching my friends in mathematics and sciences, which sparked my aspiration to become a university professor. Throughout my engineering studies, I discovered a passion for tackling new problems and projects, particularly through collaborative efforts. I often take on leadership roles, as motivating and inspiring others is something I genuinely enjoy.

EDUCATION

- University of Liège • **PhD – Artificial Intelligence and Applied Physics**
2023 - ...
Thesis: *Understanding Ocean Deoxygenation using Deep Learning*
Supervisors: *Marilaure Grégoire and Gilles Louppe*
- University of Liège • **Master of Science – Physics Engineering** (*Magna Cum Laude*)
2021 - 2023
Thesis: *Ocean Parameterization in an Idealized Model using ML* (*Summa Cum Laude*)
Supervisor: *Gilles Louppe*
- University of Liège • **Bachelor of Science** (*Cum Laude*)
2018 - 2021
Majoring in Applied Physics, Computer Science and minoring in Electrical Engineering

RESEARCH AND WORK EXPERIENCE

- University of Liège • **Neural Information Processing Systems 2023**
2023
Poster presentation at the workshop *Machine Learning and the Physical Sciences* of our paper *Robust Ocean Subgrid-Scale Parameterizations using Fourier Neural Operators*
- University of Liège • **Student Instructor**
2021 - 2023
Collaborate with professors to enhance theoretical lectures and facilitate practical sessions for various courses, including *Introduction to Artificial Intelligence, Introduction to Signals and Systems*, etc.
- University of Liège • **Data Scientist**
2021
Collaborate with *Professor D. Ernst* to *analyze the changes in electricity prices in Wallonia*
- City of Verviers • **Holiday Camps for disabled children**
2019 - 2021
Provide assistance and organized activities for children requiring special care throughout summer holidays

LIFE EXPERIENCE

- University of Liège • **Pot'Ingé**
2020 - ...
Leader of the Pot'Ingé at the University of Liège, mobilizing a team of *ten managers and around thirty active members* to raise awareness among the university community about biodiversity, short circuits, and sustainable development
- City of Verviers • **Cub Scout Leader**
2017 - 2019
Served as a *leading animator* within the management team, overseeing activities for approximately *30 children every Saturday*

INTERESTS



TRAVEL



SCIENCES



NATURE



MUSIC



GYM