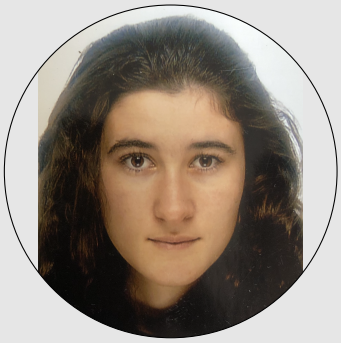
Lise **Le Boudec**

PhD Student at ISIR, Sobonne University



Informations

Lise Le Boudec
Lannion, France
Driving licence B & BE

Specialisztion

Statistics
Deep Learning
Optimization
Modelization

Interests

Image processing
Meteorology
Climate
Oceanography
Astronomy

Languages

French	C2	
English	(Native) C1	
German	(TOEIC 965/990) B1	
Italian	B1	

Informatics

- **LaTeX, office**
- **Python** (Pytorch, OpenCV, Numpy, Matplotlib, Conda...)
- **Git**
- **R, matlab**
- **Java, C, C++**
- **HTML, CSS**
- **SQL, OWL** (notion)

Réseaux

Lise Le Boudec
2ailesB

Academic background

2022- **Informatics PhD Student**
Physics Based Deep Learning - Learning PDE solvers · ISIR (MLIA)
PhD Student in the MLIA team at ISIR lab (Sorbonne University).

2022 **Master 2 Mathematics**
Learning and algorithms · Sorbonne université
statistical learning, deep learning

2021 **Master in Management and Business Administration: Entrepreneurship and Management of Innovative Projects**
Learning and algorithms · IGR-IAE Rennes
Finance, Marketing, Management, Entrepreneurship

2021 **Ingeneering Shool**
Applied Mathematics · INSA Rennes

- 2021 : Optimal control course & Double-diploma INSA-IGR
- 2020 : Semester at UQAM in Montreal (Canada)
- 2019 : Introductory course in research: « Discovery of new physical laws through parsimonious representations»
- 2018 : Mathematical Engineering Department (Risk Analysis, Statistics, Optimization and Modeling)
- 2016 -2018 : Preparatory classes

Professional experiences

2023- **Teaching**
Machine Learning & informatics Lab · Sorbonne University & Polytechnic Sorbonne
Labs for M1 DAC student in machine learning (Sorbonne university), Python (3rd year students at Polytech) and industrial Project (4th year students at Polytech).

2022 **Research internship**
AI for Science: Physics Based Deep Learning for Modeling Complex Dynamics. Application to Climate · ISIR (MLIA)
bibliography, evaluation of using parcimonious implicit neural representations to solve partial differential equations.

2021 **End of studies intership**
Color Transfer for image editing · DxO Labs
Developpement of an algorithms to compute color transfer between photography (Research in python and prototyping in C++)

2020 **Ingeniering intership**
Optimization of data processing from a laser velocimeter · IDIL fibres optiques
Modeling of the operation of a fiber VISAR, analysis of the influence of parameters on the outputs, noise treatment

Others

Photography **Landscapes, sport, astronomy...**
Canon EOS 100D, Canon EOS R7.

Sport **Track and fields, Triathlon ...**
Daily trainings.

Music **Piano**