CONTACT

+33 767036103

pierre.lague@protonmail.com

jakcrimson.github.io

Rennes, France

SOFT SKILLS

- Team work
- Critical thinking
- Creativity
- Adaptability
- Problem solving
- Curiosity

TECHNICAL SKILLS

- Physics Informed NN
- xAI
- Reinforcement Learning / MARL
- Mechanical physics
- Long-term project lead
- Active research and collaboration

PROGRAMMING LANGUAGES

- Python / R
- C++

SPOKEN LANGUAGES

- English (bilingual, 980 TOEIC)
- French (native)

PIERRE LAGUE

PHD IN MACHINE LEARNING AND PHYSICS

PROFESSIONAL PROFILE

I am currently pursuing a PhD in Physics-informed AI, building on a strong background in machine learning and hands-on experience designing, implementing, and optimizing AI projects. Through both academic research and work in public laboratories and industry, I have developed a solid mix of theoretical rigor and practical problem-solving skills. I am a fast learner, a critical thinker, and highly adaptable, shaped in part by extensive international experience that broadened my perspective and strengthened my ability to collaborate across diverse environments.

WORK EXPERIENCE

PhD Student - Physics-Informed AI - Inria/DGA/UA

Oct. 2025 - now

Artificial Intelligence for the Optimization of the Mechanical Durability of Systems Subjected to Severe Vibratory Loads - Military Application

ML Engineer (apprenticeship) - Sudo Group

September 2024 - August 2025

Joined the R&D team at Sudo Group in Lille, FR. ML Engineer for cloud optimization.
Complete autonomy on leading research and implementing core features.

AI Research Engineer Intern - CNRS

January 2023 - February 2023

Effectively led a performance evaluation of a newly developed ML algorithm for 3D point cloud classification.

AI Research Engineer Intern - CNRS

May 2022 - August 2022

Led a cutting-edge project on semantic segmentation for aerial drone imagery funded by the National Research Institute.

Student Tutor in Mathematics, CS and English

Sept 2021 - May 2022

AI Engineer Intern - Accenture Technology, Nantes

April 2021 - July 2021

PROJECTS

Thesis: Load-balancing and Task Allocation in Dynamic Multi-Agent Systems

End of year assignment: CBAAL

Python implementation of Consensus Based Auction Algorithms

University Projects (RL, Deep Learning etc.)

EDUCATION

Sept. 2023 MSc Machine Learning. - Université de Lille 1
1st year 4th/16, 2nd year 3rd/16 - with honors

Sept. 2022 - June 2023 MSc. - UTC
Master in Complex Systems Engineering - 1st year with honors

Sept. 2021 - June 2023 BSc. - Université Bretagne Sud
Bachelor in Computer Science - graduated, class major