PIERRE PHU

Data Scientist

📅 **Available from December 2023**

ℹ️ 24 years old - International Driving Licence
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EDUCATION

ISAE-SUPAERO
General Engineering curriculum - Data Science specialization

📅 Sept. 2019 – Déc. 2023 (3 years)   📍 Toulouse, France

- **Major** : Data Science (Machine/Deep/Reinforcement learning)
- **Minor and modules** : Space Systems and Autonomy, Planetology, Energy Transition.
- **Core courses** : Applied Mathematics, Computer Science, Signal Processing, Space Mechanics, Automation.

National University of Singapore
University exchange - Data Science

📅 Jan. 2022 – Mai 2022 (5 months)   📍 NUS, Singapore

- **Modules** : Neural Networks, Robot Perception, Fuzzy/Neural Systems for Intelligent Robotics.
- **Associative** : Participation in climbing and dodgeball competitions.

EXPERIENCES

Deep Learning internship - OKOMERA
Segmentation of cancer cells

📅 Mai 2023 – Nov. 2023 (6 months)   📍 Paris, France

- Improved segmentation results by 30% and reduced training costs by 50% (U-NET).
- Implementation and automation of the labeling process.
- Research and implementation of state-of-the-art segmentation models.

Deep Learning personal project
Shark monitoring by drone

📅 Mai 2022 – July 2022 (3 months)   📍 Indonesia and Australia

- Collection of images and videos of sharks by drone (120h flight).
- Data labeling and algorithm training (Yolov5).

Travel in South America
Touring the Andes Cordillera

📅 Sept. 2021 – Dec. 2021 (3 months)   📍 Ecuador, Peru and Bolivia

- Backpacking with three friends in Latin America.
- Mountaineering : Tunguragua *5023m*, Chimborazo *6263m*, Chachani *6057m*.

Machine Learning internship - INNOV'ATM
Predicting aircraft delays

📅 Mar. 2021 – July 2021 (5 months)   📍 Cugnaux, France

- Database processing (pandas) then training of a Random Forest algorithm (Classification and Regression).
- Improvement of 50% prediction regarding MSE.

PRESENTATION

As a future graduate of ISAE-SUPAERO, I acquired a **rigor** and **perseverance** that enable me to work effectively in a **team**. I enjoy getting involved in projects and being confronted with constraints that lead me to find **creative** and **innovative** solutions.

LANGUAGES

French	Native
English	Fluent C1 (610/640 TOEFL ITP)
Spanish	Intermediate B2/C1
Chinese	Beginner A2 (HSK 2)

COMPUTING

Environments

Linux (Ubuntu)   Windows   WSL

Languages and libraries

Python (PyTorch, TensorFlow, Sklearn)
Java (Socket, JComponents)
C (Standard Library)   Matlab

Database management

MongoDB   PostgreSQL   AWS S3

Software

GitHub   Docker   OVHcloud

INTERESTS

Outdoor sports
Surf - quarter-finalist ASC
Cliff climbing - V6

Reading
SF novels : Georges Orwell, Aldous Huxley, René Barjavel, Isaac Asimov

Volunteer work
President of the Supaéro Surf Club
Bicycle repairer
workshop coordinator 2Tonnes

Handicrafts
Wood cutting and engraving
Surfboard shapping