

PIERRE PHU

Data Scientist

📅 Available from December 2024

📍 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) 📍 Cugnax, 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