Tom Salembien

PortFolio: Data Science PortFolio
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EDUCATION

Ecole Polytechnique — Palaiseau
MSc of Data Science — 2022–2023
- Main themes : Convex optimization, Reinforcement learning , Theory and Practical Deep Learning, Machine Learning, Data Stream, Markov Chain Monte Carlo methods

Telecom SudParis — Evry/Palaiseau
Graduate engineering schools of Computer Science/Mathematics (MSc) — 2020–2023

Preparatory school at Lazaristes — Lyon
Two-year undergraduate intensive course in mathematics/physics/chemistry to prepare national exam — 2018–2020

EXPERIENCE

Bracco Switzerland — Plan les Ouates, Switzerland
Data Scientist intern — June-August 2022
- Data cleaning and processing of CEUS (contrast enhanced ultrasound) images.
- Exploration, creation and of a deep neural networks for the classification of liver lessions on CEUS images.
- Optimization, analysis of results and training of alternative deep neural network architectures

Inria, Lirmm — Montpellier
Software Developer intern — July-August 2021
- Coding in Python/Java an interpreter in Java to use Graal (Java toolkit to querying knowledge bases)

PROJECTS

See full list of projects on **https://ohm-t.github.io/devportfolio/**

Capstone Project with Kering — X,MSc Project
Replenish the regional warehouse and the stores from the regional warehouse, minimizing the average stock.

Proteins classification — X,MSc Project
Kaggle Challenge on the classification of proteins using state-of-the-art ML and AI methods for text and graph data.

Cassiopee Project — 2nd year Project
Work with hospital for the classification of parkinson disease based on gait data (PPMI)

Robotics Project — 1st year Project
Member of the robotics association of the school, building of two robots in one year, with the aim of winning the French Cup of robotics

Eye Tracker — 1st year Project
Design of an eye-tracker using OpenCV in python. Realization of an eyetracking algorithm of the gaze on the screen for the identification of the looked zone.

LANGUAGES AND SKILLS

Programming:	Lib Skills:	Soft Skills:	Hard Skills:	Languages:
Python, Java, SQL, SAS, Linux, Git, Data Science, Machine Learning tools	Pytorch, Tensorflow, Pandas, Azure, Kafka, Opencv, sklearn..	Curiosity, Organization, Communication, Sociability, Autonomy	Data science, Computer Vision, NLP, Mathematics, Data visualization	French (Native), English (C1, Fluent), Spanish (B2, Basic)