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[mywebsite](#)

France

PROFILE

Creative
Leadership
Team work

PRO SKILLS

Languages

Python
C & C++
MATLAB
VBA

Frameworks

TensorFlow
Keras
Open CV
ROS

Software

SolidWorks
Simulink
Fluent, ANSYS

Blender
Mission Planner
INav

Topics

Signal Processing
Multi-body Mechanics
Bio-Inspired Perception
Optimal Estimation and Control

INTERESTS

SPORTS

Kite Surf, Spearfishing, Boxing,
Cycling, Motorcycle.

PROTOTYPING

DIY Robotic, 3D Printing, Drone,
Raspberry Pi and Jetson Nano
object recognition.

LANGUAGES

French (mother tongue)
English (level C1)
Spanish (level B1)
Chinese (Beginner HSK2)

Simon LE BERRE

ROBOTICS AND AEROSPACE RESEARCH ENGINEER

ACADEMIC

2018 - 2020

Northwestern
Polytechnical
University, Xian, China

MSc AEROSPACE

Ranked world second-best aerospace university. I studied Navigation, Guidance and Control, My subject of Master thesis was « Design and Control for Reusable Booster of Launch Vehicle ».

2016 - 2020

INSA Centre Val de
Loire, Blois, France

ENGINEERING DEGREE

Graduated from the leading network of French engineering schools, in the field of system engineering for applied mathematics and computer science engineering.

2014 - 2016

Lycée Vauban, Brest,
France

CLASSES PREPARATOIRES

Intensive preparatory course for competitive entrance into top French engineering schools.

2014

Lycée Yves Thépôt,
Quimper, France

BACCALAUREAT

Graduated from High School, with an equivalent to A Level in Maths and Physics.

EXPERIENCE

Autumn – Winter
2021

ilo robot
Bretagne, France

FOUNDER AND DEVELOPER

Creation of an open-source project, an educational robot named iLO to provide programming support for different programming levels, from scratch to AI programming.

2021

Deco Meubles
Bretagne, France

AI DEVELOPER

Development of a safety audio switch for cabinetwork shops. AI algorithms are used to detect sound alerts and thus stop dangerous situations. A patent on safety has been filed.

Spring 2018

Cladding System
Auckland,
New Zealand

ENGINEER INTERSHIP

Created a program and an interface to obtain the cutting dimensions of the cladding panels. Programmed in VBA to allow interaction with SolidWorks part dimensions.

April 2018

Tamil Nadu, India

HUMANITARIAN

Participation in a humanitarian and cultural project in the south of India.

2016 – 2018

Greek life
Blois, France

ASSOCIATIVE

Creation of association in INSA to connected water sport and hydrodynamics.