Pierre JOYET

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Professional experience

2022-2025 **R&D ENGINEER (fixed-term contract)**, *Institut national de recherche en informatique et en automatique (Inria)*, Team Artificial intelligenCE and efficieNT Algorithms for aUtonomous RobotIcs (ACENTAURI), Sophia-Antipolis, France
2023-2025 - Cerema - Design and validation of a software and hardware architecture of sensors embedded in UAVs for data collection.
2022-2023 - Naval Group - Development and optimisation of a multi-agent planning algorithm simulator.

2022 March-August **RESEARCH ENGINEER (fixed-term contract)**, *Institut national de recherche pour l'agriculture, l'alimentation et l'environnement (INRAE)*, Unité Technologies et systèmes d'information pour les agrosystèmes (TSCF), Clermont-Ferrand, France
The objective of this mission was to study two approaches for coupling a robotic manipulator arm with a mobile wheel base.

2021 March-August **INTERNSHIP**, *INRAE*, Unité TSCF, Clermont-Ferrand, France
Internship carried out in the ROMEA team of the TSCF research unit. The goal of this internship was the study of a control command coupling a manipulator robot arm with a mobile wheel base.

2019 January-May **INTERNSHIP**, *Institut National de la Recherche Agronomique*, Laboratoire de Génie et Microbiologie des Procédés Alimentaires, AgroParisTech's campus, Thiverval-Grignon, France
Internship realized within the mixed research unit GMPA. The objective of this training course was the development of an apparatus allowing the follow-up of samples in a cooking tank, by near infrared and visible spectrometry.

Education

2019-2021 **MASTER of Science, Advanced Systems and Robotics**, *Sorbonne University, Faculty of Science & Engineering*, Paris, France

2014-2019 **BACHELOR of Sciences, Mechanics**, *Sorbonne University, Department of Mechanical Engineering*, Paris, France

Languages

French Native language

English Upper Intermediate

Skills

Softwares
Solidworks
FreeCAD
Office Suite
Git

Languages
C++
Python/object oriented
LaTeX
Matlab / Octave
Fortran 90

Systems
ROS2/ROS
Linux

Support
DJI Drones
3D printer
Arduino
Raspberry pi