

# Pierre JOYET

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May 16, 1996



## 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

**2022-2023** - Naval Group - Development and optimisation of a multi-agent planning algorithm simulator.

**2023-2025** - Cerema - Design and validation of a software and hardware architecture of sensors embedded in UAVs for data collection.

**2022 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 INTERNSHIP**, *INRAE*, Unité TSCF, Clermont-Ferrand, France  
March-August 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 INTERNSHIP**, *Institut National de la Recherche Agronomique*, Laboratoire de Génie et Microbiologie des Procédés Alimentaires, AgroParisTech's campus, Thiverval-Grignon, France  
January-May 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  
L<sup>A</sup>T<sub>E</sub>X  
Matlab / Octave  
Fortran 90

**Systems** ROS  
Linux

**Support** Universal Robots  
3D printer  
Arduino  
Raspberry pi