Quentin ROLLAND

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PROFILE

I'm a French PhD student at CEA List in Saclay, in collaboration with INRIA Nancy. I specialize in robotics, deep learning and computer vision. My thesis project focuses on imitation learning for robotics. Our aim is to find ways of improving current imitation learning methods.

LANGUAGES

French mother tong
English C1
TOEIC : 910/990
TOEFL ibt : 103/120
Spanish B1 level
Russian A2 level

LIENS

LinkedIn :
linkedin.com/in/quentinrolland
Github :
github.com/quentinRolld

SKILLS

TECHNICAL
Informatics
C/C++ • Python
Automatic & Robotics
Ros • Matlab
Machine learning
Pytorch •

Soft Skills
Curious
Dynamic
Thoughtful
Autonomous

INTERESTS

Rowing
Cross-country skiing (competition)
Climbing
acoustic guitar

EDUCATION

PHD - ROBOTICS AND COMPUTER VISION

CEA Saclay - INRIA Lorraine - Lorraine University
2024 - 2027 | Saclay, France
One class anomaly detection in the context of autonomous robotics.

MSC - ROBOTICS AND DEEP LEARNING

Sorbonne University - with honors
2022 – 2024 | Paris, France

ENGINEERING DEGREE - ELECTRONICS & COMPUTER SCIENCE

ENSEA - Concours Centrale Supelec - with high honors
2020 – 2023 | Paris, France

EXPERIENCE

CEA SACLAY | End-of-study internship

February - August 2024 | Paris, France
- Imitation learning applied to robotics. Computer vision, Deep learning, Reinforcement learning.

CEA GRENOBLE | Engineering assistant internship

May - August 2022 | Grenoble, France
- Development of a real-time embedded system for a fuel cell.

CNRS | Laborer internship

June - July 2021 | Sophia Antipolis, France
- Processing of data collected by the sonar of a scientific ship.

PERSONAL AND ACADEMIC PROJECTS

LEROBOT - ROBOTICS HACKATHON AUTONOMOUS CAR COMPETITION | Student competition organized by ENS Saclay - 2nd place

2023-2024
Creation of a robot capable of moving and avoiding obstacles in an unknown circuit autonomously. Using C/C++, Python, ROS, Deep learning.

CANSAT COMPETITION | Student project organized by CNES

(Personal project) 2022-2023
Design of an autonomous exploration probe that must land on a given GPS point by adjusting its flight trajectory. 3rd place.

PERSEUS, MINI-APTÉROS | Student project supervised by CNES

2021-2022
Creation of a reusable autonomous electric launcher.
Presentation : https ://www.youtube.com/watch ?v=XWOvAuZyrhk

COMMUNITY ENGAGEMENT

President of the rowing club and active member of the ARES robotics club.