

EDUCATION

-  **PhD in Computer Science** Oct 2026 – Oct 2029 (expected)
Sorbonne Université, France
-  **Master of Engineering in Computer Science — Intelligent Systems** 2022 – 2026
Université de Technologie de Compiègne, France
-  **2-year University Diploma in Electrical & Computer Engineering** 2020 – 2022
IUT de Cachan, France

WORK EXPERIENCE

-  **Incoming PhD Researcher — Social AI** Oct 2026 – Oct 2029 (expected)
ISIR, Sorbonne Université — **Paris, France**
- Working on **turn-taking models** and interruption management for Social Interactive Agents (SIA), within the ANR INSPIRE-bis project, under the supervision of Catherine Pelachaud.
-  **Robot Operator** June 2026 – Sep 2026
Universal Mechanical Assistant (UMA) — **Paris, France**
- Operated robots, collected task-specific data, and provided behavioral feedback to engineers.
-  **Humanoid Robot Teleoperation Research Intern** Oct 2025 – Apr 2026
AIST-CNRS Joint Robotics Laboratory (JRL) — **Tsukuba, Japan**
- Designed a user study protocol evaluating the effect of **RGB-D augmented feedback** on humanoid teleoperation performance and operator cognitive load.
 - Built an **automated metric extraction pipeline** combining RGB-D calibration, zero-shot container detection (DINOv2 + SAM), and volumetric fill-level estimation.
 - Refactored a **shared-autonomy intent detection framework** (HMM, YOLOv11-seg, Llama) for on-robot deployment, improving real-time inference speed by 27.5%.
-  **Social Robotics Engineer Intern** Sep 2023 – Feb 2024
Enchanted Tools — **Paris, France**
- Developed a **multimodal active speaker detection** system combining facial landmark tracking, ASR, and Speech Source Localization (SSL).
 - Designed and shipped novel **social behaviors** for the Mirokai robot platform using Godot and C++, integrated into production deployment.
-  **Software Engineering Intern — Computational Imaging** May 2022 – Aug 2022
Laboratoire Signaux & Systèmes (L2S) — **Gif sur Yvette, France**
- Ported and optimized an **image reconstruction algorithm** in Python, reducing computational runtime.

SKILLS

- Programming:** Python (primary), C/C++, Matlab
- Libraries & Tools:** PyTorch, OpenCV, ROS, Git, Linux, Gazebo
- Voice & Conversational AI:** streaming STT, TTS, LLM inference & orchestration (Pipecat)
- Languages:** French (Native), English (Professional), German/Spanish (Beginner)

PUBLICATIONS (in progress)

In preparation (2026): *A Reproducible Vision-Based Framework for Evaluating Humanoid Teleoperation Performance* — L. Rublé, M. Benallegue, R. Cisneros, A. André — SII 2027