Joel Cabrera

✉ joel.cabred@gmail.com   in Joel Cabrera   🌐 www.joelcabrera.dev

EDUCATION

MSc in Engineering (M2): Automatic Control and Robotics**,** 2025 – 2026
Sorbonne Université - Paris, France
- Intelligent Systems Engineering (ISI) track, specialization in Artificial Intelligence for Robotics.

MSc in Engineering (M1): Computer Science, 2024 - 2026
Télécom Paris - Palaiseau, France
- Computer Science, Machine Learning, Artificial Intelligence, Image Processing.

- France's top-ranked school for computer science and digital technology.

B.Eng.: Computer Engineering, 2021 - 2026
Universidad De La República (UdelaR) - Montevideo, Uruguay
- Data Structures and Algorithms, Programming, Computer Networks, Operating Systems, Software Engineering, Database Management, and Linux systems.

- Experience with software development methodologies and collaborative projects.

WORK HISTORY

Research Assistant, 03/2024 - 08/2024
Facultad De Ingeniería, UdelaR - Montevideo, Uruguay
- Assistant on robotics-related research projects.

- Reviewed and synthesized scientific literature in English, effectively summarizing complex concepts and clearly communicating findings to supervisors.

- Enhanced critical thinking and adaptability by overcoming language barriers and rapidly assimilating technical content in robotics research.

Research Collaborator, 07/2022 - 12/2022
Facultad De Ingeniería, UdelaR - Montevideo, Uruguay
- Developed Arduino-based prototype enhancing math learning for children, boosting engagement and understanding.

- Added data tracking features, providing actionable insights for educators.

- Integrated sensors, actuators, and Python tools for seamless hardware-software interaction.

- Tested with 200 six-year-olds, showing improved engagement and comprehension.

SKILLS AND SPOKEN LANGUAGES

- **Technical:** Python, C/C++, Java, Prolog, JavaScript, HTML5, CSS, PostgreSQL, Arduino, ROS (Robot Operating System).

- **Languages:** Spanish native speaker, fluent in English and French.

AWARDS, ACCOMPLISHMENTS, AND HONOURS

- **Excellence Scholarship for Master's Studies** | 2024

- **Best Team Spirit – Robocup Junior** | 2020
  Recognized for outstanding teamwork and collaboration in the international robotics competition.

- **1st Place – SUMO.uy Competition (Basic Category)** | 2020
  Secured first place in a robotics challenge involving line-following, object collection, and obstacle avoidance tasks.

- **1st Place – National Robotics and Programming Olympiad (Plan Ceibal)** | 2020
  Developed and presented a prototype guide designed to assist athletes with low vision.