
Joel Cabrera

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in [Joel Cabrera](#)

EDUCATION

MSc in Engineering: 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
Awarded by the National Agency for Research and Innovation (ANII), Campus France, and the French Embassy in Uruguay.
- **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.