GRUSS Carlos
AI Engineer

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Languages

English - Bilingual (C2)

French - Advanced (C1)

Spanish - Native

Portuguese - Fluent (B2)

Computer Skills

Python (PyTorch, TensorFlow, Keras), C, JavaScript, Prolog.

Interests

Clubs and associations:
- Vice-president of the international student union at Télécom Paris (2024/25).
- Member of the English theatre troupe of Télécom Paris (2023).

Sports:
- Weightlifting: Currently competing in the French national league for S.C. Neuilly.
- Rugby: Played for the junior national team, winning the South American Championship and ranking 4th at World Rugby U20s Trophy in 2019.

Maths and physics:
- Finalist in the 2017 Uruguayan National Physics Olympics.

Hobbies:
Reading (particularly Science Fiction and Fantasy books) and playing video games.

Electrical Engineer with a Specialization in AI, Computer Vision and Data Science. _I am based in Paris and open to opportunities throughout Europe_.

Work Experience

Algorithm and Modeling AI Engineer
From February 2025 to August 2025 Greenerwave Paris
Internship at a leading French GreenTech company. I collaborated with multidisciplinary teams to develop ML and deep learning models for controlling reconfigurable metasurface antennas, including data acquisition, tool development for experimental data analysis, and integration of computer vision techniques. My responsibilities involved understanding advanced antenna physics, optimizing model parameters for real-world applications, and employing Python with frameworks like PyTorch.

Robotics engineering assistant
From December 2020 to January 2022 GENBA Montevideo, Uruguay
Responsible for organizing and developping automation projects for some of the biggest industries in Uruguay.

Undergraduate teaching assistant
From February 2022 to July 2022 Universidad de la República Montevideo, Uruguay.
Delivered a robotics course using Arduino and micro:bit.

Education

MEng in Signal and Image Processing for AI (Diplôme d'ingénieur)
From September 2023 to September 2025
Télécom Paris - Institut Polytechnique de Paris France
4.0/4.0 GPA - Signal Processing for AI (TSIA) and Image (IMA).

MSc in Computer Vision (Master M2)
From September 2024 to September 2025 Sorbonne Université Paris, France

BEng in Electrical Engineering
From February 2019 to July 2023 Universidad de la República Uruguay
Signal Processing and Machine Learning specialization.

International Baccalaureate (IB) English Bilingual Diploma
From February 2017 to December 2018 The British Schools Uruguay
41/45 - High honors, Top 10% worldwide.

Acknowledgments

Excellence Scholarship for Master's Studies
Scholarship granted by the National Agency for Research and Innovation (ANII) and Campus France through the French Embassy in Uruguay.

Projects

Real-Time Monitoring System for Autonomous Warehouse Robot
Implemented a monitoring script to track the performance of an autonomous mobile robot responsible for delivering parts across the production process in a warehouse. Using the robot's REST API, developed alert mechanisms to notify the engineering team of potential issues such as operational anomalies and unaccounted downtime.

AI-Powered Daily Weather Twitter Bot
Developed an automated Twitter bot in Python that tweets daily weather predictions each morning. The bot integrates OpenAI's GPT for generating natural language summaries, Open-Meteo's API for retrieving accurate weather forecasts, and Twitter's API for automated posting.