



## GRUSS Carlos

### Signal & Image Processing for AI

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🏴 Franco-Uruguayan  
📍 Paris, France  
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#### Languages

English - Bilingual (C1)

French - Fluent (B2)

Spanish - Native

Portuguese - Fluent (B1)

#### 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 for S.C. Neuilly in the French national league, won the 2022 Uruguayan national championship in 2022.
- Rugby until U20s: Member of the winning team of the 2019 South American Championship, member of the team which ranked 4th at 2019 World Rugby Trophy.

Maths and physics:

- Finalist in the 2017 Uruguayan National Physics Olympics.
- Member of the winning team at the "GEODIN" national geometry tournament, during high school.

Hobbies:

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

As part of my double degree at Télécom Paris, I'm seeking a 6-month internship to apply and deepen my Image & Signal Processing skills. I'm a hard worker by nature and I'm looking forward to participating in innovative and challenging projects.

#### Education

- **Master's Degree in Engineering (Diplôme d'ingénieur)**  
From September 2023 to September 2025  
Télécom Paris - Institut Polytechnique de Paris Palaiseau, France  
Double diploma specializing in the fields of Signal Processing for AI (TSIA) and Image (IMA).
- **Master's Degree in Image Processing (Master M2)**  
From September 2024 to September 2025  
Sorbonne Université Paris, France
- **Bachelor's degree in Electrical Engineering**  
From February 2019 to July 2023  
Universidad de la República Montevideo, MO, Uruguay  
Signal processing specialization.
- **Exchange semester**  
From September 2022 to January 2023  
Universidad de Sevilla Seville, AN, Spain  
Artificial intelligence and programming courses.
- **International Baccalaureate (IB) Bilingual Diploma**  
From February 2017 to December 2018  
The British Schools Montevideo, MO, Uruguay

#### Work Experience

- **Undergraduate teaching assistant**  
From February 2022 to July 2022  
Universidad de la República Montevideo, Uruguay.
  - Helped deliver a robotics course using Arduino and micro:bit.
- **Automation engineering assistant**  
From December 2020 to January 2022 GENBA Montevideo, Uruguay
  - Developed automation projects, from planning to commissioning, for some of the biggest factories in Uruguay.
  - Used Autodesk Inventor for mechanical design and AutoCAD Electrical for electrical design.
  - Programmed PLCs: Siemens, Panasonic, Allen-Bradley.
  - Programmed robots: Universal Robots, Fanuc, KUKA, Epson, Mobile Industrial Robots.
  - Integrated sensors/actuators using various communication protocols: Ethernet/IP, Modbus RTU, Profinet.
- **Engineer assistant (summer job)**  
From January 2019 to February 2019 HigieFarm Porto Alegre, Brazil
  - Assisted the commercial manager, visiting potential clients and suppliers.