

1. PERSONAL INFORMATION

Last Name: Gonzalez Marino

Name: Geronimo

DNI: 42901525

Birthdate: 27/07/2000

Marital status: Soltero

Nationality: Argentina

E-mail: geronimo.gonzalez@alu.ing.unlp.edu.ar

2. ACADEMIC BACKGROUND

2.1. DEGREES OBTAINED

Electronic Engineer (03/04/2024).

Facultad de Ingeniería, Universidad Nacional de La Plata (FI-UNLP).

Final Thesis: Diseño de convertidor aislado para la excitación de transistores.

High School Diploma in Natural Sciences (03/12/2018).

Colegio "Miguel di Geronimo".

3. TEACHING EXPERIENCE

3.1. UNDERGRADUATE TEACHING

-Current Position:

Teaching Assistant with Simple Dedication at UNLP. Courses: "Automatic Control I" and "Automatic Control II" Facultad de Ingeniería, UNLP. Junio de 2024 – Fecha actual.

-Previous Positions:

Student Assistant at UNLP. Course: "Computer Architecture" Facultad de Ingeniería, UNLP. Marzo 2023 – Junio de 2024.

4. SCIENTIFIC BACKGROUND

4.1. PARTICIPATION IN RESEARCH PROJECTS

Member of the Collaborative Project Group PICT 2019-02554. "Development, implementation, and validation of control algorithms for diabetes treatment". LEICI, FI-UNLP. Monto: \$2,559,375. Proyecto adjudicado con calificación general igual a 10 (diez). 2021-2023.

4.2. RESEARCH SCHOLARSHIPS

Postgraduate Scholarship for Doctoral Studies 2025, awarded by CONICET, for the completion of Ph.D. studies. Awarded on July 1st, 2025. Supervisor: Dr. Fabricio Garelli.

Postgraduate Scholarship for Doctoral Studies 2025, awarded by the National University of La Plata (UNLP), for Ph.D. studies. Awarded on April 1st, 2025. Supervisor: Dr. Fabricio Garelli; Co-Supervisor: Dr. Juan Luis Rosendo. (resigned, July 1st, 2025)

Buenos Aires Doctoral Research Scholarship (BBI24), awarded by the Scientific Research Commission (CIC), for Ph.D. studies. Awarded on April 1st, 2025. Supervisor: Dr. Fabricio Garelli. (awarded, not accepted)

Doctoral Program Scholarship SPU 2024, awarded by the Office of Graduate Studies, National University of La Plata (UNLP). Awarded on January 1st, 2025, with a duration of 3 months (from January 1st to March 31st, 2025).

Type A Scholarship, Oriented Modality (Scholarship 106 – Year 2024), for graduates of the Faculty of Engineering, UNLP. “Development of automation system for sample collection on geological outcrops”, from July 2024 to December 2024 (Resolution 1318/2024). Supervisor: Dr. Juan Luis Rosendo; Co-Supervisor: Dr. Fabricio Garelli.

Introductory Research Scholarship, Faculty of Engineering, UNLP. “Development and installation of electronics and software for an autonomous surface robot”, from August 2023 to December 2023. Supervisor: Dr. Juan Luis Rosendo.

4.3. PARTICIPATION IN CONGRESSES OR SCIENTIFIC EVENTS

1. Name of the event: 2024 IEEE Biennial Congress of Argentina (ARGENCON).
Country: Argentina, Date: 18, 19 y 20 de septiembre de 2024.
Mode of participation: Presenter of accepted paper.
Event Type: Conference.
Geographical Scope: National.
Organizing Institution: Institute of Electrical and Electronics Engineers (IEEE).
City: San Nicolas de los Arroyos.
2. Name of the event: Jornada de Economía Azul.
Country: Argentina, Date 4, 5 y 6 de septiembre de 2024.
Mode of participation: Presenter of the Geneseas Autonomous Surface Robot Project. Event Type: Workshop.
Geographical Scope: National.
Organizing Institution: Cámara industrial y de comercio exterior, región Patagonia.
City: Puerto Madryn.
3. Event Name: Scientific Symposium on AI and Applications.
Country: Argentina, Date: October 25, 2023.
Mode of participation: Attendee.
Event Type: Symposium.
Geographical Scope: National.
Organizing Institution: University of San Andrés (UDESA).
City: Autonomous City of Buenos Aires.

5. SCIENTIFIC OUTPUT

5.1. ARTICLES IN NATIONAL CONFERENCES

1. G. Gonzalez Marino, S. A. Verne. *Design of an Isolated Driver Module for Converters with Floating Transistors*. Aceptado para 2024 IEEE Biennial Congress of Argentina (ARGENCON). Published, septiembre 2024. (DOI: 10.1109/ARGENCON62399.2024.10735868)

6. TECHNOLOGICAL TRANSFER WORKS

6.1. HIGH-LEVEL TECHNOLOGICAL SERVICES

ST 6308 (High-Level Technological Service approved by CONICET): Advisory on equipment for cutting inspection and geological crowns.

Client: Y-TEC (YPF Tecnología), Av. del Petróleo Argentino 900-1198, Berisso, Bs. As.

Type: Advisory

Technical Managers: Fabricio Garelli and Juan Luis Rosendo

Mode of Participation: Team member.

Amount: \$150,000. Date: September-October 2023.

ST 5521 (High-Level Technological Service approved by CONICET): Technical advisory for the navigation of autonomous surface marine vehicles.

Client: Recyclamer S.A. (France)

Type: Advisory

Technical Managers: Fabricio Garelli and Juan Luis Rosendo

Amount: \$1,080,000 + equipment + trips to France.

Mode of Participation: Team member.

Date: August 2023 to August 2024.

6.2. TECHNICAL REPORTS

1. G. Gonzalez Marino, J. L. Rosendo, F. Garelli. ST 6308 - Informe 3 Diseño simulador robot Y-Rock.
Contratante Y-TEC. Agosto 2024.
Monto: 500.000
2. G. Gonzalez Marino, J. L. Rosendo, F. Garelli. ST 6308 - Informe 2 Selección de sensores, componentes y simulador.
Contratante Y-TEC. Julio 2024.
Monto: 500.000

3. G. Gonzalez Marino, J. L. Rosendo, F. Garelli. ST 6308 - Informe 1 Análisis de requerimientos y simuladores disponibles.
Contratante Y-TEC. Junio 2024.
Monto: 500.000

7. OUTREACH AND DISSEMINATION

7.1. OUTREACH PROJECTS

1. Proyecto de voluntariado universitario. Secretaría de políticas universitarias, "Robótica en las aulas II". Desde enero 2023 diciembre 2024. Integrante del equipo organizador.
2. Proyecto de extensión UNLP Facultad de Ingeniería, "Robótica en el aula 3". Desde enero 2022 hasta diciembre 2023. Integrante del equipo organizador.

7.2. OUTREACH WORKSHOPS

1. "Ingeniería abre sus puertas" UNLP. Facultad de Ingeniería junio 2024. Presentador de trabajo.
2. "Aportes de ingeniería a la comunidad" UNLP. Facultad de Ingeniería octubre 2023. Presentador de trabajo.

8. FURTHER EDUCATION

8.1. POSTGRADUATE COURSES

- Introduction to Optimal Control, Faculty of Engineering, UNLP. (Approved, December 2023)
Duration: 40 hours.
- Introduction to Nonlinear Systems Analysis, Faculty of Engineering, UNLP. (Approved, December 2024)
Duration: 90 hours.
- Linear Algebra, Faculty of Engineering, UNLP. (Approved, December 2024)
Duration: 60 hours.
- Introduction to Robotics, Faculty of Engineering, UNLP. (Approved, December 2024)
Duration: 60 hours.
- Sliding Mode Control, Faculty of Engineering, UNLP. (Approved, December 2024)

Duration: 90 hours.

9. OTHER RELEVANT INFORMATION

9.1. PRIVATE SECTOR EXPERIENCE

Hardware and software development and testing services for IIOT sensors for the company "Función de X Ingeniería". From March 2024 until the current date.

9.2. LANGUAGE SKILLS

English: 10 years of study at the institute "Lingual Home".