

JULIETA GUILLERMINA GARCÍA PEREYRA

Artificial Intelligence Engineering Student Specializing in Biotechnology

Fifth-year Artificial Intelligence Engineering student and member of the program's first cohort, specializing in Biotechnology. Passionate about applying artificial intelligence to biological systems to advance healthcare innovation. Seeking opportunities to contribute technical expertise and interdisciplinary problem-solving to projects with meaningful real-world impact.

 [Research Portfolio](#)  [in LinkedIn](#)  [Email](#)  (+54) 9 11 22667647

Education

Universidad de San Andrés [Buenos Aires, Argentina](#) [March 2022 – Expected Graduation: December 2026 / July 2027](#)

Bachelor's Degree in Artificial Intelligence Engineering - Recipient of the Universidad de San Andrés Scholarship and Academic Merit Scholarship.

- **Current Coursework:** Bioinformatics I
- **Relevant Coursework:** General Biology, Molecular and Cellular Biology, Machine Learning & Deep Learning, Computer Vision, Advanced Computer Vision, Natural Language Processing, Reinforcement Learning, AI Ethics, Extreme Innovation, Business Strategy & Leadership.
- **Extracurricular Activities:** Member of the university field hockey team.

Colegio San Esteban [Buenos Aires, Argentina](#) [March 2014 – December 2021](#)

Bilingual High School Diploma in Natural Sciences - Recipient of a Merit-Based Scholarship.

- **Distinctions:** Flag bearer, Honor Diploma, Highest Distinction in the IGCSE Examinations, English Excellence Award, and Sports Achievement Award.
- **Extracurricular Activities:** Track & Field Team and women's field hockey team.

The Hockaday School [Dallas - Texas, USA](#) [January 2020 – March 2020](#)

Selected by my high school to represent the institution in a prestigious international exchange program.

- **Activities:** Dance, Track & Field, and Lacrosse Teams.

Global Shapers - STEM UP! [Buenos Aires, Argentina](#) [June 2025 – July 2025](#)

Leadership program focused on empowering women in STEM through communication, collaboration, and high-impact project development.

- **Skills Developed:** Assertive communication, public speaking, conflict resolution, personal branding, and co-creation of triple-impact projects.

Academic & Leadership Experience

Club BIAA (Biomedicine & Applied AI) [Universidad de San Andrés, March 2025 – Present](#)

Co-Founder & Executive Committee Member

Co-founded the first interdisciplinary student organization at Universidad de San Andrés, bringing together the Artificial Intelligence and Biotechnology communities to foster collaboration in research, innovation, and education.

- Helped establish the organizational structure and operational foundations of one of the university's first interdisciplinary AI and Biotechnology student initiatives.
- Coordinated academic and industry events featuring researchers, entrepreneurs, and professionals working at the intersection of AI and Life Sciences.
- Facilitated collaboration between students and researchers, entrepreneurs, and industry professionals within the AI-for-Life-Sciences ecosystem.
- Led institutional communications with the university and coordinated the planning and promotion of club initiatives.
- Led the club's branding, visual identity, content creation, and communication strategy, including social media and institutional materials.

Teaching Assistant – Database Systems [Universidad de San Andrés, March 2025 – December 2025](#)

Teaching Fellowship (Ad Honorem)

- Mentored student teams throughout the design and development of the course's final database project.
- Provided constructive feedback on assignments and supported students throughout the semester.
- Guided students in database design, data modeling, and SQL concepts through lectures and the course's official communication channels.
- Collaborated with the teaching staff in preparing course materials and delivering practical explanations to enhance student learning.

Selected Projects

- Pancreatic CT Scan Anomaly Detection Using Computer Vision
- Critical Emotion Detection in Speech Using Artificial Intelligence
- Image-Based Emotion Recognition Using Computer Vision
- Red Blood Cell Detection and Counting Using Computer Vision
- Biology Laboratory Training: Cell Microscopy, Plasma Membrane Analysis, PCR, DNA Electrophoresis, Mitosis, Molecular Cloning, SDS-PAGE, and Western Blot.

Skills

Core Competencies: Interdisciplinary Leadership · Communication & Public Speaking · Analytical Thinking · Problem Solving · Adaptability · Initiative.

Technical Skills: Programming (Python, C, C++, Java, SQ) · Machine Learning y Deep Learning (PyTorch, TensorFlow) · Databases (PostgreSQL, MongoDB) · Data Analysis & Visualization (Pandas, NumPy, SciPy, Matplotlib) · Molecular Biology Laboratory Techniques.

International Experience: Lived in Costa Rica, the United States, and Argentina, developing a global perspective and strong adaptability to multicultural environments.

Languages

Spanish Native / Bilingual Proficiency

English Native / Bilingual Proficiency