

VICTORIA GUARNIERI

Biomedical Engineer

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EDUCATION

Biomedical Engineering

Mar 2020 – Dec 2025

Facultad de Ingeniería y Ciencias Exactas y Naturales, Universidad Favaloro (FICEN-UF)

- **GPA:** 8.35/10.
- **Final Degree Project:** Data Management in Oncology Research: Development of Comprehensive Software for *In Vivo* Trials.

Core tools: C/C++, C#, MATLAB, SQL.

Skills: Teamwork, problem solving, discipline, perseverance.

WORK EXPERIENCE

Programa de Inteligencia Artificial en Salud, Hospital Italiano de Buenos Aires

AI Trainee

Sep 2024 – Present

- Developed and validated a deep learning model for medical image classification.
- Design and execution of an interobserver agreement study to define training labels.

Skills: Data analysis and visualization, machine learning, deep learning, image processing, applied statistics.

Core tools: **Python 3.13** (PyTorch, Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn, Pyplot); **AWS services** (AWS SageMaker, S3); **version control** with Git, Github, Bitbucket; **experiment tracking** with Weights & Biases (wandb); **R 4.3** (tidyverse, ggplot2, plotly, irrCAC).

FICEN-UF – Department of Mathematics

Student Assistant

Aug 2021 – Present

Assistant in the subjects:

- **Calculus I** (single-variable calculus).
- **Calculus II** (multivariable calculus).
- **Calculus III** (complex analysis).

FICEN-UF – Department of Informatics

Student Assistant

Mar 2025 – Jul 2025

Assistant in the subject **Database**.

Core tools: MySQL 8.0.

Hospital Universitario Fundación Favaloro

Biomedical Engineering Intern

May 2024 – Sep 2024

- Supervised professional practice.
- Preventive and corrective technical service tasks.

CERTIFICATIONS

Deep Learning: Neural Networks from Scratch

Jul 2023

Centro de e-Learning UTN FRBA. Graded. (37 hs).

Introduction to Unsupervised Machine Learning

May 2023

FICEN-UF (16 hs).

Machine Learning with Python

May 2023

Centro de e-Learning UTN FRBA. Graded. (60 hs).

Introduction to Python oriented to algorithms and competitive programming techniques

Nov 2020

IEEE UF, IEEE WIE y LambdaClass (20 hs).

LANGUAGE

English: intermediate-advanced (technical reading and scientific writing).

SCHOLARSHIPS AND AWARDS

🏆 Undergraduate Research Fellowship (BIE), UF

Feb 2022 – Feb 2025

🏆 Second National Flag Escort (Honor Guard) - ranked 3rd highest GPA., FICEN-UF

Academic year 2024