

VICTORIA GUARNIERI

Biomedical Engineer

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EDUCATION

Biomedical Engineering

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

Mar 2020 – Dec 2025

- **GPA:** 8.35/10.

- **Final Degree Project:** Data Management in Oncological 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.

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).

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

FICEN-UF – Department of Mathematics

Student Assistant

Aug 2021 – Present

Assistant in the subjects **Calculus I** (single-variable calculus), **Calculus II** (multivariable calculus) and **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