

VICTORIA GUARNIERI

Ingeniera Biomédica

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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 Project:** Data Management in Oncological Research: Development of Comprehensive Software for In Vivo Trials.

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

Key Skills: Teamwork, problem solving, discipline, perseverance.

WORK EXPERIENCE

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

AI Trainee

Sep 2024 – Present

- Construction and evaluation of a deep learning model for classification, under supervision.
- Design and execution of an interobserver agreement study to define training labels.

Technologies and Tools:

- 🔗 **Python 3.13:** PyTorch, Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn. **R 4.3:** tidyverse, ggplot2, plotly, irrCAC.
- 🔗 **Cloud:** AWS SageMaker and AWS S3.
- 🔗 **Version control:** Git, Github and Bitbucket.
- 🔗 **Experiment tracking:** Weights & Biases (wandb).

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

FICEN-UF – Departamento de Matemática

Aug 2021 – Present

Student Assistant

Assistant in the subjects **Calculus I** (Calculus in one variable), **Calculus II** (Calculus in several variables) and **Calculus III** (Calculus in complex variable).

FICEN-UF – Departamento de Informática

Mar 2025 – Jul 2025

Student Assistant

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 hrs).

Introduction to Unsupervised Machine Learning

May 2023

FICEN-UF (16 hrs).

Machine Learning with Python

May 2023

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

Introduction to Python oriented to algorithms and competitive programming techniques

Nov 2020

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

SCHOLARSHIPS AND RECOGNITIONS

🏆 Undergraduate Research Fellowship (BIE), UF

Feb 2022 – Feb 2025

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

Academic year 2024

LANGUAGE

English (Basic competence, technical reading and scientific writing).