# 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 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*

- Construction and evaluation of a deep learning model for 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 variable Calculus).

**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:** technical reading and scientific writing.

## 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*