

# VICTORIA GUARNIERI

Biomedical Engineer

✉ vickyguarnieri1@gmail.com | 📞 +54 9 11 3041-0475 | 📍 Buenos Aires, Argentina  
🌐 vickyguar | 🌐 victoria-guarnieri- | 🇦🇷 DNI 43.660.111

## 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 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