

VICTORIA GUARNIERI

Ingeniera Biomédica

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EDUCATION

Biomedical Engineering

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

Mar 2020 – Dec 2025

- Average: 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

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).

Aug 2021 – Present

FICEN-UF – Departamento de Informática

Student Assistant

Assistant in the subject **Database**.

Mar 2025 – Jul 2025

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.

CURSOS

Deep Learning: Redes neuronales desde cero

Centro de e-Learning UTN FRBA. With evaluation. (37 hrs).

Jul 2023

Introducción al aprendizaje automático no supervisado

FICEN-UF (16 hrs).

May 2023

Machine Learning con Python

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

May 2023

Introducción a Python orientado a algoritmos y técnicas de programación competitiva

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

Nov 2020

SCHOLARSHIPS AND RECOGNITIONS

Beca de Investigación para Estudiantes (BIE), UF

Segunda escolta de bandera nacional, FICEN-UF

Feb 2022 – Feb 2025

Academic year 2024

LANGUAGE

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