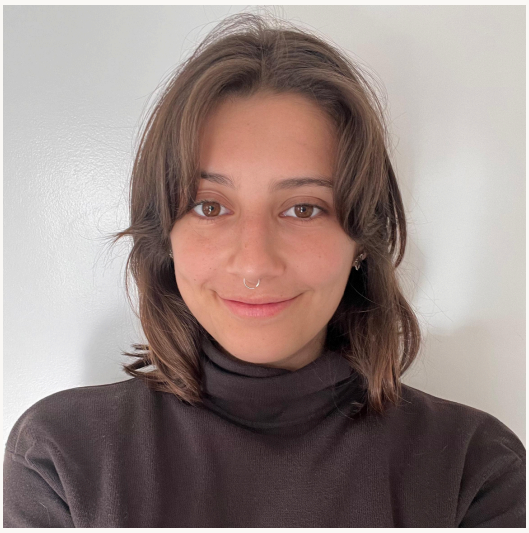
FLORENCIA CANALE



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WORK EXPERIENCE

RPost, United States — March 2022 - March 2024

Data Management and Process Automation Specialist

In my role within the Research and Data Management department, I acquired skills in data management, teamwork, leadership, and communication, along with technical tools. My main contributions included:

- Developing **automated workflows** using **Excel and Power BI** to streamline lead search and sales assignment processes.
- **Managing and structuring large datasets** in **Salesforce and Pardot**, improving data organization for sales teams.
- **Documenting** and optimizing workflows, to ensure efficiency and best practices.
- **Training and onboarding** new team members.

Hospital Austral, Pilar, Buenos Aires — March 2024 - Sept 2024

Technical Maintenance Intern

As part of the **Bioengineering department**, I was responsible for the **preventive maintenance** of low and medium complexity medical equipment. I also managed and updated the **equipment database** and ensured compliance with **traceability regulations** (Law 26906/2013). This experience reinforced my **attention to detail, documentation skills, and interdisciplinary teamwork.**

EDUCATION

Instituto Tecnológico de Buenos Aires, CABA — March 2019 - Dec 2024

***Bioengineering* - GPA 3.29**

San Pablo Apóstol, San Martín de los andes, Neuquén — March 2013 - March 2018

***High School Diploma* - GPA 3.7**

LANGUAGES

- Native Spanish
- Fluent English (written and spoken)
- Basic Japanese

TECHNICAL SKILLS

- **Programming Languages:** Python, C#, Java, JavaScript
- **Databases:** SQL (PostgreSQL)
- **Frameworks & Tools:** React, Django, PyQt5, Unity, Power BI
- Other: GitHub, GitKraken, Machine Learning, Arduino

SOFTWARE DEVELOPMENT EXPERIENCE

Hand Rehabilitation Center in Virtual Reality

August 2022 - December 2022

Developed a Unity-based game-like rehabilitation virtual center for patients with hand injuries.

- **C#** programming using **Unity**
- 3D object design in **Blender**
- Team collaboration using GitKraken for GitHub

Sleep Apnea Detection Algorithm in EEG using Machine Learning

March 2023 - July 2023

Designed a Jupyter Notebook that uses electroencephalogram signals to detect apnea events in sleeping subjects vía machine learning.

- **Python** programming
- EEG signal analysis
- Application of **ML** theory

Non-Invasive Blood Pressure Measurement Device using PTT Calculation

August 2023 - December 2023

Fully functional device for non-invasive yet accurate blood pressure measurement. This project was presented at “Future Day” at ITBA.

- Mobile application programmed in **Java** (Android Studio)
- Signal acquisition using **Arduino**
- Custom-built electronic circuit

IVUS Image Processing Interface

October 2023 - November 2023

IntraVascular Ultra Sound (IVUS) images can be viewed and processed in this interface making it easier to diagnose some conditions with the assisted image processing.

- Back-End in **Python**
- Front-End in PyQt5
- Anonymized image acquisition from the Buenos Aires Cardiology Institute

Final Project: Software for DICOM Image Storage and Visualization

July 2024 - Present

Developed a full-stack web application for DICOM image storage, integrated into a Level 3 healthcare center.

- Back-End in **C#**
- Front-End in **JavaScript**
- **SQL** Database - **PostgreSQL**