

# NAHUEL PASSANO

Machine Learning Engineer | Acoustic Engineer student

 Nahuel Passano

 nahue-passano.github.io

 nahue-passano

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## EXPERIENCE

### Machine Learning Engineer

MecanTronic

 Jun 2022 – Present

 CABA

- > Exploratory Data Analysis (EDA) for Object Detection datasets.
- > Reserch and application of Computer Vision models (Yolo v5) for object detection and pattern classification in drone imagery.
- > Training AI models on an AWS EC2 GPU instance.
- > Application containerization with Docker for easy migration between environments.

### Lab Assistant

Infiniem Labs

 Feb 2022 – Present

 CABA

- > Research and development in voice processing functionalities for artificial intelligence systems.
- > Implementation of Natural Language Processing (NLP) algorithms.
- > Development of a virtual voice assistant specialized in lab microservices.
- > Deployment of the assistant in FastAPI for inference via a Telegram bot.
- > Use of Docker containers for package the assistant designed and mount it in the lab's server.

### Assistant profesor: Multivariable Calculus

Universidad Nacional de Tres de Febrero

 Mar 2018 – Feb 2022

 Tres de Febrero

- > Assigment review. Theoretical and practical notes writing for students ((Available online)).

## EDUCATION

### Acoustic Engineer

Universidad Nacional de Tres de Febrero

 Mar 2016 – Present

 Tres de Febrero

- > Engineering's degree specialized in acoustic measurements, NVH, electroacoustics and digital signal processing.

## CERTIFICATES

Cloud Computing (AWS)

@ Coderhouse

Convolutional Neural Networks

@ Coursera

Data analysis with Python

@ freeCodeCamp

Deep Learning A-Z: Hands-On ANN's in Python

@ UDEMY

Docker for the Absolute Beginner - Hands On

@ KodeKloud

Feature Engineering

@ Kaggle

## ABOUT ME

I consider myself a **resolute** and **self-taught** person, in **constant academic training**. I am in the 5th year of my engineering degree, in which I have developed different methodologies of thinking and methodologies for problem solving in modern engineering. Currently, i'm focused on the study and application of **Machine Learning** and **Deep Learning** algorithms, specially applied to **Audio** and **Computer Vision**.

## GOALS

One of my main goals is to continue deepening my experience in the world of artificial intelligence, as well as sharing knowledge with professionals in the area. I would also like to enhance my skills in Digital Signal Processing, since it is one of the areas that I am most passionate about.

## SOFT SKILLS

Adaptability


Problem-solving

Teamwork

Creative Thinking

## TECH RESOURCES

### Programming languages:

 **Python:** Numpy, Matplotlib, Seaborn, Pandas, SciPy, TensorFlow, Keras, PyTorch, Scikit Learn, FastAPI.

 **MatLab**

### Tools:

 **AWS**

 **Docker**

 **Git & GitHub**

### Expertice:

Python development (4 yr.)

Machine Learning & Deep Learning (2 yr.)

Acoustic measurements (4 yr.)

## LANGUAGES

> **Spanish:** Native

> **English:** Advanced (B1)