



# VALENTIN LOPEZ


## ABOUT ME

I am a mechatronics engineer with 1 year of experience working with AI systems.

As a team player, I feel comfortable working with people from different backgrounds and areas of expertise, listening to their ideas and contributing with my own.

I am really curious, so I spend much time seeking ways to improve my skills or learn new ones. I have a passion for technology, especially for robotics and AI.

## CONTACT

 valentinlopezandres@gmail.com

 valentin--lopez

 valenlopez993

 <https://valentinlopez.netlify.app/>

## TECHNICAL SKILLS

C/C++ • Python • Flutter • Flask • PGSQL • SQLAlchemy  
AWS - Sage Maker • Tensorflow • Transformers  
OOP • HTML5 • CSS3 • Git • Linux  
STM32CubeIDE • Arduino IDE  
Cura • CATIA v5 • Fusion 360

## SOFT SKILLS

Communication • Teamworking • Collaboration •  
Leadership • Curiosity • Proactivity • Organization •  
Troubleshooting

## EDUCATION

- École Nationale d'Ingénieurs de Brest - France  
Generalist Engineering | Feb 2022 - Feb 2024
- Universidad Nacional de Cuyo - Argentina  
Mechatronics Engineer | Mar 2018 - Mar 2024

## LANGUAGES

Spanish - Native :: English - Fluent :: French - Fluent

## WORK EXPERIENCE

### SOFTWARE DEVELOPER - HOOMANO

[More info here](#)

Oct 2023 - Dec 2023

#### Skills:

- Database
- Full Stack

#### Software:

- Flutter
- SQLAlchemy
- Flask

### AI ENGINEER - HOOMANO

[More info here](#)

Jul 2023 - Sep 2023

#### Skills:

- Large Language Models
- PEFT Methods

#### Software:

- AWS - Sage Maker
- Transformers - HF

### NLP PROGRAMMER - CERV

[More info here](#)

Feb 2022 - Jun 2022

#### Skills:

- NLP system development
- Speech-To-Text models

#### Software:

- Python - Spacy
- ROS

### FINANCE MANAGER - INCA EJ

[More info here](#)

Feb 2020 - Jan 2022

#### Skills:

- Cash flow management
- Investment management

## PROJECTS

### CAT AND DOG IMAGE CLASSIFIER

Apr 2022

[More info here](#)

#### Skills:

- Machine Learning
- Convolutional Neural Networks
- Image Preprocessing

#### Software:

- Tensorflow - Keras

### NEURAL NETWORK SMS TEXT CLASSIFIER

Apr 2022

[More info here](#)

#### Skills:

- Machine Learning
- Recurrent Neural Networks
- Text Preprocessing

#### Software:

- Tensorflow - Keras
- Pandas
- Numpy

### BOOK RECOMMENDATION ENGINE

Apr 2022

[More info here](#)

#### Skills:

- Artificial Intelligence
- K-Nearest Neighbors

#### Software:

- Sklearn - Nearest Neighbors
- Pandas
- Numpy

### HEALTH COSTS CALCULATOR

Apr 2022

[More info here](#)

#### Skills:

- Machine Learning
- Multiple Linear Regression

#### Software:

- Tensorflow - Keras
- Pandas
- Numpy

### REAL-TIME OPERATING SYSTEM

Oct 2022 - Nov 2022

[More info here](#)

#### Skills:

- PI digital controller implementation
- Color recognition - PixyCam
- HMI development
- UART and I2C communications

#### Software:

- STM32CubeIDE
- Python - PyQt5
- Pixy2 - PixyCam

### 3D PRINTER

Jan 2018 - Jan 2019

[More info here](#)

#### Skills:

- Construction of the mechanical system
- Electronic system and firmware set-up
- Design and development of prototypes

#### Software:

- Arduino IDE
- Cura