

# VALENTIN LOPEZ

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## About me

I am a mechatronic engineering student currently pursuing a double degree in France. 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 mainly for robotics and IA.

I am seeking an internship to continue my learning.

## Education

### Master of Engineering

Ecole Nationale d'Ingenieurs de Brest, France  
Feb 2022 - Jun 2023

### Mechatronics Engineer

Universidad Nacional de Cuyo, Mendoza, Argentina  
Mar 2018 - Jun 2024

## Work Experience

### Software developer

Centre Européen de Réalité Virtuelle, Brest, France

Skills:

Feb 2022 - Jun 2022

- Natural Language Processing system development
- Speech-To-Text models

[Click here for more information](#)

Software:

- Python
- ROS

### Finance manager

INCA Junior Enterprise, Mendoza, Argentina

Skills:

Mar 2020 - Jan 2022

- Cash flow management
- Investment management

[incae.com](http://incae.com)

## Projects

### 3D Printer

[Click here for more information](#)

Skills:

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

Software:

- Arduino IDE
- Cura

## Real-Time Operating System

[Click here for more information](#)

### Skills:

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

### Software:

- STM32CubeIDE
- Python - PyQt5
- Pixy2 - PixyCam

## Android APP

[Click here for more information](#)

### Skills:

- GPS Location
- GPS Orientation
- Objects Recognition - Tensorflow model

### Software:

- Android Studio
- Google Colab - For training the Tensor-Flow model

## Involvements

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**Capture the flag - Educational hacking event**

École Nationale d'Ingenieurs de Brest, France  
Jan 2022

**Python course instructor**

INCA EJ, Mendoza Argentina  
May 2021

## Skills and Knowledge

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### Software:

- Visual Studio Code
- Android Studio
- STM32CubeIDE
- MATLAB
- Arduido IDE
- Cura
- CATIA v5
- Fusion 360
- Microsoft Office

### Programming:

- C/C++
- Python
- Unified Modeling Language
- Object-Oriented Programming
- VHDL
- HTML and CSS programming
- Git
- Linux

### Soft Skills:

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

## Languages

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- **Spanish** - Native
- **English** - B2
- **French** - B2