

# VALENTIN LOPEZ

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## About me

I am a mechatronics engineering student currently pursuing a double degree in France. I feel comfortable working with people from different backgrounds and areas of expertise. During my formation, I have worked on various projects and personal initiatives to hone my skills and knowledge in Artificial Intelligence, 3D printing, and Robotics. I am seeking a 6-month long internship as a minimum.

## Education

**Master of Engineering** Ecole Nationale d'Ingenieurs de Brest, France  
Feb 2022 - present

**Mechatronics Engineer** Universidad Nacional de Cuyo, Mendoza, Argentina  
Mar 2018 - present

## Work Experience

**Software developer** Centre Européen de Réalité Virtuelle, Brest, France  
 Skills: Feb 2022 - Jun 2022

### Skills:

- 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

[incaej.com](http://incaej.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

## 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 TensorFlow 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 (UML) / Object-Oriented Programming (OOP) / VHDL / HTML and CSS programming

**Soft Skills:**      Communication / teamworking / collaboration / leadership / curiosity / proactivity / organization and troubleshooting.

## Languages

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