



# VALENTIN LOPEZ

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## About me

I am a mechatronics engineering student pursuing a double degree in France, focusing on computer science. 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

<b>Generalist Engineering</b>	École Nationale d'Ingénieurs de Brest, France Feb 2022 - present
<b>Mechatronics Engineer</b>	Universidad Nacional de Cuyo, Mendoza, Argentina Mar 2018 - present

## Work Experience

<b>NLP Programmer</b>	Centre Européen de Réalité Virtuelle, Brest, France Feb 2022 - Jun 2022
Skills:	
<ul style="list-style-type: none"><li>• Natural Language Processing system development</li><li>• Speech-To-Text models</li></ul>	
Software:	
<ul style="list-style-type: none"><li>• Python - Spacy</li><li>• ROS</li></ul>	
<b>Finance manager</b>	INCA Junior Enterprise, Mendoza, Argentina Mar 2020 - Jan 2022
Skills:	
<ul style="list-style-type: none"><li>• Cash flow management</li><li>• Investment management</li></ul>	
<a href="http://incaej.com">incaej.com</a>	

## Projects

<b>3D Printer</b>	<a href="#">Click here for more information</a>
Skills:	
<ul style="list-style-type: none"><li>• Construction of the mechanical system</li><li>• Electronic system and firmware set-up</li><li>• Design and development of prototypes</li></ul>	
Software:	
<ul style="list-style-type: none"><li>• Arduino IDE</li><li>• Cura</li></ul>	

## 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

**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

### Software:

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

### Programming:

- C/C++
- Python
- Tensorflow
- Keras
- Unified Modeling Language
- Object-Oriented
- VHDL
- HTML5 and CSS3
- Git
- Linux

### Soft Skills:

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

## Languages

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