

# VALENTIN LOPEZ

 valentin-lopez  
 valentinlopez.netlify.app

 +33 6 04 02 11 07  
 valentinlopezandres@gmail.com

## About me

I am a mechatronics 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

|                              |   |
|------------------------------|---|
| <b>Master of Engineering</b> | École Nationale d'Ingénieurs de Brest, France<br>Feb 2022 - Jun 2023    |
| <b>Mechatronics Engineer</b> | Universidad Nacional de Cuyo, Mendoza, Argentina<br>Mar 2018 - Jun 2024 |

## Work Experience

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|--|--|
| <b>NLP Programmer</b>  | Centre Européen de Réalité Virtuelle, Brest, France<br>Feb 2022 - Jun 2022 |
| Skills:  | <a href="#">Click here for more information</a>                            |
| <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<br>Mar 2020 - Jan 2022          |
| Skills:  | <a href="http://incaej.com">incaej.com</a>                                 |
| <ul style="list-style-type: none"><li>• Cash flow management</li><li>• Investment management</li></ul>                           |  |

## Projects

|  |  |
|--|--|
| <b>3D Printer</b>  | <a href="#">Click here for more information</a>                              |
| Skills:  | Software:  |
| <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> | <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

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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