

VALENTIN LOPEZ

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About me

I am a mechatronics engineering student currently pursuing a double degree in France. I am 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

- 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

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

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 / 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

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