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
• Natural Language Processing system development   Click here for more information
• Speech-To-Text models

Software:
• Python
• ROS

Finance manager   INCA Junior Enterprise, Mendoza, Argentina
Skills: Mar 2020 - Jan 2022
• Cash flow management   incaej.com
• Investment management

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

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

Software:
- STM32CubeIDE
- Python - PyQt5
- Pixy2 - PixyCam

Android APP

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