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
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
Mar 2020 - Jan 2022

Skills:
- 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
- Cura

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 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
- 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

Soft Skills:

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

Languages

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