



# VALENTIN LOPEZ

## CONTACT

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## EDUCATION

- École Nationale d'Ingénieurs de Brest  
Generalist Engineering | Feb 2022 - Present
- Universidad Nacional de Cuyo  
Mechatronic Engineer | Mar 2018 - Present

## WORK EXPERIENCE

- NLP Programmer CERV | [More info here](#)  
Feb 2022 - Jun 2022  
Skills: NLP system development, Speech-To-Text models  
Software: Python - Spacy, ROS
- Finance Manager INCA EJ | [More info here](#)  
Feb 2020 - Jan 2022  
Skills: Cash flow management, Investement management

## LANGUAGES

- Spanish ●●●●
- English ●●●●
- French ●●●●

## TECHNICAL SKILLS

C/C++ • HTML5 • CSS3 • Python • Tensorflow • Keras •  
UML • OOP • VHDL • Git • Linux  
Visual Studio Code • Android Studio • Microsoft Office •  
STM32CubeIDE • MATLAB • Arduino IDE • Cura • CATIA v5  
• Fusion 360

## SOFT SKILLS

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

## ABOUT ME

I am a mechatronics engineering student pursuing a double degree in France, focused 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 owns.

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, especially for robotics and AI.

I am looking for an internship to continue my learning.

## PROJECTS

### CAT AND DOG IMAGE CLASSIFIER

Apr 2022

[More info here](#)

- |                                 |                      |
|---------------------------------|----------------------|
| Skills:                         | Software:            |
| • Machine Learning              | • Tensorflow - Keras |
| • Convolutional Neural Networks |                      |
| • Image Preprocessing           |                      |

### NEURAL NETWORK SMS TEXT CLASSIFIER

Apr 2022

[More info here](#)

- |                             |                      |
|-----------------------------|----------------------|
| Skills:                     | Software:            |
| • Machine Learning          | • Tensorflow - Keras |
| • Recurrent Neural Networks | • Pandas             |
| • Text Preprocessing        | • Numpy              |

### BOOK RECOMMENDATION ENGINE

Apr 2022

[More info here](#)

- |                           |                               |
|---------------------------|-------------------------------|
| Skills:                   | Software:                     |
| • Artificial Intelligence | • Sklearn - Nearest Neighbors |
| • K-Nearest Neighbors     | • Pandas                      |
|                           | • Numpy                       |

### HEALTH COSTS CALCULATOR

Apr 2022

[More info here](#)

- |                              |                      |
|------------------------------|----------------------|
| Skills:                      | Software:            |
| • Machine Learning           | • Tensorflow - Keras |
| • Multiple Linear Regression | • Pandas             |
|                              | • Numpy              |

### REAL-TIME OPERATING SYSTEM

Oct 2022 - Nov 2022

[More info here](#)

- |  |                   |
|--|-------------------|
| Skills:                                | Software:         |
| • PI digital controller implementation | • STM32CubeIDE    |
| • Color recognition - PixyCam          | • Python - PyQt5  |
| • HMI development                      | • Pixy2 - PixyCam |
| • UART and I2C communications          |                   |

### ANDROID APP

Oct 2022 - Nov 2022

[More info here](#)

- |                       |                  |
|-----------------------|------------------|
| Skills:               | Software:        |
| • GPS Location        | • Android Studio |
| • GPS Orientation     |                  |
| • Objects Recognition |                  |

### 3D PRINTER

Jan 2018 - Jan 2019

[More info here](#)

- |   |               |
|---|---------------|
| Skills:                                 | Software:     |
| • Construction of the mechanical system | • Arduino IDE |
| • Electronic system and firmware set-up | • Cura        |
| • Design and development of prototypes  |               |

## INVOLVEMENTS

Capture the Flag Educational hacking event	ENIB   Feb 2023
Python course instructor	INCA EJ   May 2021