# VALENTIN LOPEZ

## ABOUT ME

I am a mechatronics engineer oriented in 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.

## CONTACT

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- in valentin--lopez
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## TECHNICAL SKILLS

C/C++ • Python • Flutter • Flask • PGSQL • SQLAlchemy
AWS - Sage Maker • Tensorflow • Transformers
OOP • HTML5 • CSS3 • Git • Linux
STM32CubeIDE • Arduino IDE
Cura • CATIA v5 • Fusion 360

## SOFT SKILLS

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

## EDUCATION

- **École Nationale d'Ingénieurs de Brest - France**
  Generalist Engineering | Feb 2022 - Feb 2024

- **Universidad Nacional de Cuyo - Argentina**
  Mechatronics Engineer | Mar 2018 - Mar 2024

## LANGUAGES

Spanish ⬤⬤⬤⬤○
English ⬤⬤⬤⬤⬤
French ⬤⬤⬤⬤⬤

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# WORK EXPERIENCE

## SOFTWARE DEVELOPER - HOOMANO
More info here
Oct 2023 - Dec 2023

Skills:
- Database
- Full Stack

Software:
- Flutter
- SQLAlchemy
- Flask

## AI ENGINEER - HOOMANO
More info here
Jul 2023 - Sep 2023

Skills:
- Large Language Models
- PEFT Methods

Software:
- AWS - Sage Maker
- Transformers - HF

## 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

# PROJECTS

## CAT AND DOG IMAGE CLASSIFIER
Apr 2022
More info here

Skills:
- Machine Learning
- Convolutional Neural Networks
- Image Preprocessing

Software:
- Tensorflow - Keras

## NEURAL NETWORK SMS TEXT CLASSIFIER
Apr 2022
More info here

Skills:
- Machine Learning
- Recurrent Neural Networks
- Text Preprocessing

Software:
- Tensorflow - Keras
- Pandas
- Numpy

## BOOK RECOMMENDATION ENGINE
Apr 2022
More info here

Skills:
- Artificial Intelligence
- K-Nearest Neighbors

Software:
- Sklearn - Nearest Neighbors
- Pandas
- Numpy

## HEALTH COSTS CALCULATOR
Apr 2022
More info here

Skills:
- Machine Learning
- Multiple Linear Regression

Software:
- Tensorflow - Keras
- Pandas
- Numpy

## REAL-TIME OPERATING SYSTEM
Oct 2022 - Nov 2022
More info here

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

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

## 3D PRINTER
Jan 2018 - Jan 2019
More info here

Skills:
- Construction of the mechanical system
- Electronic system and firmware set-up
- Design and development of prototypes

Software:
- Arduino IDE
- Cura