

# **VALENTIN LOPEZ**

## **ABOUT ME**

I am a mechatronics engineer with 1 year of experiece working with AI systems.

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.

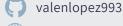
### CONTACT



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valentin--lopez



https://valentinlopez.netlify.app/

# **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 - Native English - B2 French - B2

### **WORK EXPERIENCE**

### SOFTWARE DEVELOPER - HOOMANO

Skills:

 Database Full Stack

- Software:
- Flutter SQLAlchemy
- Flask

### AI ENGINEER - HOOMANO

Jul 2023 - Sep 2023

More info here

More info here

Oct 2023 - Dec 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

More info here Feb 2020 - Jan 2022

# FINANCE MANAGER - INCA EJ

Skills:

- Cash flow management
- Investement management

# **PROJECTS**

# CAT AND DOG IMAGE CLASSIFIER

Apr 2022 More info here

Apr 2022

More info here

Skills:

- Machine Learning
- Convolutional Neural Networks
- Image Preprocessing

# Software:

Tensorflow - Keras

# NEURAL NETWORK SMS TEXT CLASSIFIER

- Machine Learning
- Recurrent Neural Networks
- Text Preprocessing

- Tensorflow Keras
- Pandas
- Numpy

# **BOOK RECOMMENDATION ENGINE**

More info here

Apr 2022

Skills:

- Artificial Intelligence • K-Nearest Neighbors
- Sklearn Nearest Neighbors
- Pandas

Software:

Numpy

# **HEALTH COSTS CALCULATOR**

Apr 2022 More info here

Skills:

- Machine Learning
- Multiple Linear Regression
- - Pandas

Software:

Numpy

# **REAL-TIME OPERATING SYSTEM**

Oct 2022 - Nov 2022 More info here

Jan 2018 - Jan 2019

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

### Software:

• Tensorflow - Keras

- STM32CubeIDE
- Python PyQt5
- Pixy2 PixyCam

# **3D PRINTER**

Skills:

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

More info here

Software:

- Arduino IDE
- Cura