VALENTIN LOPEZ

CONTACT

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EDUCATION

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

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

WORK EXPERIENCE

- **Software Developer** — Hoomano | More info here
  Oct 2023 - Dec 2023

  Skills:
  - Database
  - Full Stack

  Software:
  - Flutter
  - Flask
  - SQLAlchemy

- **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

LANGUAGES

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

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

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.

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

INVOLVEMENTS

Capture the Flag — ENIB | Feb 2023
Educational hacking event

Python course instructor — INCA EJ | May 2021