



VALENTIN LOPEZ





ABOUT ME

I am a mechatronics engineer with 2 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

-  valentinlopezandres@gmail.com
-  valentin--lopez
-  valenlopez993
-  <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 - Fluent :: French - Fluent

WORK EXPERIENCE

MACHINE LEARNING - ANT AUTOMATION

[More info here](#)
Jul 2024 - Present

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|--|--|
| Skills: | Software: |
| <ul style="list-style-type: none">Machine LearningNvidia Jetson | <ul style="list-style-type: none">DVCOpenMMLabPythonLinux |

SOFTWARE DEVELOPER - HOOMANO

[More info here](#)
Oct 2023 - Dec 2023

- | | |
|---|--|
| Skills: | Software: |
| <ul style="list-style-type: none">DatabaseFull Stack | <ul style="list-style-type: none">FlutterSQLAlchemyFlask |

AI ENGINEER - HOOMANO

[More info here](#)
Jul 2023 - Sep 2023

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|--|--|
| Skills: | Software: |
| <ul style="list-style-type: none">Large Language ModelsPEFT Methods | <ul style="list-style-type: none">AWS - Sage MakerTransformers - HF |

NLP PROGRAMMER - CERV

[More info here](#)
Feb 2022 - Jun 2022

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|--|--|
| Skills: | Software: |
| <ul style="list-style-type: none">NLP system developmentSpeech-To-Text models | <ul style="list-style-type: none">Python - SpacyROS |

PROJECTS

CAT AND DOG IMAGE CLASSIFIER

Apr 2022
[More info here](#)

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|--|--|
| Skills: | Software: |
| <ul style="list-style-type: none">Machine LearningConvolutional Neural NetworksImage Preprocessing | <ul style="list-style-type: none">Tensorflow - Keras |

NEURAL NETWORK SMS TEXT CLASSIFIER

Apr 2022
[More info here](#)

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|---|---|
| Skills: | Software: |
| <ul style="list-style-type: none">Machine LearningRecurrent Neural NetworksText Preprocessing | <ul style="list-style-type: none">Tensorflow - KerasPandasNumpy |

BOOK RECOMMENDATION ENGINE

Apr 2022
[More info here](#)

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|---|--|
| Skills: | Software: |
| <ul style="list-style-type: none">Artificial IntelligenceK-Nearest Neighbors | <ul style="list-style-type: none">Sklearn - Nearest NeighborsPandasNumpy |

HEALTH COSTS CALCULATOR

Apr 2022
[More info here](#)

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|---|---|
| Skills: | Software: |
| <ul style="list-style-type: none">Machine LearningMultiple Linear Regression | <ul style="list-style-type: none">Tensorflow - KerasPandasNumpy |

REAL-TIME OPERATING SYSTEM

Oct 2022 - Nov 2022
[More info here](#)

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|--|---|
| Skills: | Software: |
| <ul style="list-style-type: none">PI digital controller implementationColor recognition - PixyCamHMI developmentUART and I2C communications | <ul style="list-style-type: none">STM32CubeIDEPython - PyQt5Pixy2 - PixyCam |

3D PRINTER

Jan 2018 - Jan 2019
[More info here](#)

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|--|--|
| Skills: | Software: |
| <ul style="list-style-type: none">Construction of the mechanical systemElectronic system and firmware set-upDesign and development of prototypes | <ul style="list-style-type: none">Arduino IDECura |