JOSÉ ALBERTO LÓPEZ LÓPEZ

BACHELORS IN PHYSICS

MASTERS IN ARTIFICIAL INTELLIGENCE

✉ JLL.6@hotmail.com

ABOUT ME

Artificial Intelligence developer with experience in various languages and frameworks. I have worked in big data projects using real time transmission technologies and several data science projects as well. I consider myself a dedicated, responsable and very capable person.

EXPERIENCE

Artificial Intelligence Developer
GRUPO SALINAS · Ciudad de México, Mexico
dec 2021 – aug 2022
Big data AI developer in projects related to bank credit fraud prevention, using tools like Spark, Hadoop, Kafka, among others.

Data Scientist
MIGALA · Ciudad de México, Mexico
dec 2021 – feb 2022
Data analysis of an inquest realized to potential members of a new political party. Foundations of a Blockchain project with Solidity and other components.

Data Scientist
BEST PRACTICES CONSULTING · Querétaro, Mexico
mar 2021 – sep 2021
Data visualizations designer with Power BI for several companies projects, including a dashboard with information about gas distribution routes in real time.

Algorithms and Prototipes Developer
ARTIFICIAL INTELLIGENCE RESEARCH CENTER · University of Veracruz, Mexico
jun 2016 – jun 2017
C++ developer of an autonomous movement vehicle detection algorithm, designed for an embedded system, using accelerometers and Furier analisys.

PROGRAMMING LANGUAGES

Junior — Senior

- Python
- C++
- SQL
- Java
- Solidity
- HTML, CSS
- Javascript
- Others

FRAMEWORKS & SYSTEMS

- Spark
- MongoDB
- Kafka
- Hadoop
- Git
- Blockchain
- Azure
- Docker
- Kubernetes

COMPLEMENTARY EXPERIENCE

- Experience in Keras and TensorFlow for deep learning and machine learning.

- Knowledge of dense, convolutional, and recurrent neural networks; as well as evolutionary and nature-inspired algorithms.

- Computer vision with OpenCV library in C++ and Python.

- Experience in parallel programing with OpenMS and MSI libraries in C and C++.

- Experience working with data science applied to geographical and cities databases.

- Large experience in data visualization with Matplotlib, Gnuplot, TikZ-PGF and Power BI.

- Mathematical foundations of models for time series analisys, like ARIMA, SARIMA, VARMA, Dickey-Fuller test, Granger causality, Holt-Winters method, EWMA, ETS, Hodrick-Prescott filter, etc.

- Robotic Operative System (ROS) with C++ and Python.

EDUCATION

2020 **Masters in artificial intelligence**
ARTIFICIAL INTELLIGENCE RESEARCH CENTER · University of Veracruz, Mexico 🏛

2018 **Bachelors in physics**
FACULTY OF PHYSICS · University of Veracruz, Mexico 🏛
Best marks of generation.

LANGUAGES

Spanish Native

COURSES

Institute	Subject	ID and URL
Udemy	Docker & Kubernetes	↪
MongoDB Academy	MongoDB	↪ ↪ ↪ ↪ ↪ ↪
Udemy	Blockchain	↪
Udemy	Time Series Data Analisis	↪
Udemy	Git	↪
Udemy	SQL: Basic to Advanced	↪
SoloLearn	SQL	↪
SoloLearn	Java	↪

PROJECTS

Robot Hostess ▶ ○
I programmed the entire code of a Robot hostess in C++ with ROS. The robot detects diners via face recognition and lead them to a suitable table.

Augmented reality ▶ ○
Example of augmented reality made with Python and OpenCV.

Traveling salesman problem visualization ▶ ○
Visualization of traveling salesman problem solved with simulated annealing.

Grasp Objects in Clutter (Masters Thesis)
I developed an algorithm for accommodate objects in order to facilitating later grasps by appling AI nature inspired algorithms.

CONTACT

✉ JLL.6@hotmail.com

▢ +52 228-105-4832

☎ +52 296-964-7471

in [Alberto López](#)

REFERENCES

Marxlenin Zapata Yañez
Chief of Reactor Engineering department at Laguna Verde Nuclear Power Plant.
Relation: Previous boss.
✉ marxlenin.zapata@cfe.gob.mx

Irving Morales Agiss, PhD
Director of data science MORLANmx enterprise.
Relation: Professor.
✉ irvingfisica@gmail.com

Antonio Marín Hernández, PhD
Researcher at the Artificial Intelligence Research Center of University of Veracruz, Mexico.
Relation: Thesis assesor.
✉ anmarin@uv.mx