

Alonso Cano Villarreal

ELECTRONICS · INTELLIGENT SYSTEMS ENGINEER

Leon, Guanajuato, 37270

✉ alonsocanov@gmail.com | 🏠 May 5 1995 | 🌐 <https://github.com/alonsocanov> | 🔗 [linkedin.com/in/alonsocanovillarreal](https://www.linkedin.com/in/alonsocanovillarreal)

Education

Science Sorbonne University, Paris VI

Paris, France

- Master's degree in Intelligent Systems, Image and Sound Processing
- Bachelor's degree in Electronics, Electrical Energy and Control Systems

2017 - 2019
2014 - 2017

Experience

SynFiny Advisors

Mexico

RPA Developer

October 2021-

- The objective is to create bots in order to automate Miniso's product registration for all containers coming from China to Latin America
- The RPA proceses are created with Automation Anywhere
- Allows to speed up and eliminate repetitive tasks from end users

Ixaya

Mexico

Deep Learning and Web Developer

May 2020-

- The objective is to extract key data from policy documents in order to generate a data base
- Used Deep Learning and Image Processing techniques for document classification and text extraction
- CRUD data base handling with CodeIgniter's framework
- Facilitates workers' data filling process into the system

AFD.TECHNOLOGIES

Paris, France

Machine Learning Project Manager

Feb - Sep 2019

- The goal of the project was to detect alarm anomalies on telecommunication services provided by Orange France
- Used unsupervised algorithms for anomaly detection of alarm systems
- Evaluated unsupervised algorithms with statistical criteria in order to determine the best-one according to data set
- The models were implemented for testing phase
- The time that the supervision team took to detect certain anomalies was reduced

Projects

- Trading bot using Logistic Regression and weight assignment and ML with Bitso's API for Python
- Creation of a web page using CodeIgniter and CRUD database handling with CodeIgniter in PHP and Java for a private buisness
- Implemented Dijkstra's algorithm to the Parisian subway network considering transfer times and PoC with RTP's website using C++
- Simulation and PoC of a flying autonomous airship with image processing and applied electronics using OpenCV with Python and ROS
- Object detection on own dataset to detect car club and number on playing cards
- Face detection and movement detection using OpenCV with Python for employee assistance

Skills

Machine Learning

- Supervised - SVM, Random Forest, Knn, Linear regression, NLP, AdaBoost
- Unsupervised - DBSCAN, Isolation Forest, LOF

Deep Learning

- Pytorch - CNN, RNN, LSTM, Fine-tuning

Programming

- Python - Numpy, Pandas, OpenCV, Scikit-learn, Scipy, Torch, Torchvision, Tensorflow
- iPython Notebook, C++, Java, SQL

Software

- Github, Subversion, Anaconda, Elasticsearch, Spyder, Matlab, Automation Anywhere

Languages

- Spanish: Native • English: Fluent • French: Fluent

Others

- 3D Modelling, design and printing with Fusion 360
- Strong coding ability for developing, debugging and understanding
- Great problem solver