



Frans Ramirez Neyra

Mechatronic Engineer

Address

Gutenberg 16
Anzures, Mexico City

Tel & Skype

+52 722 3632083
frans.ramirez

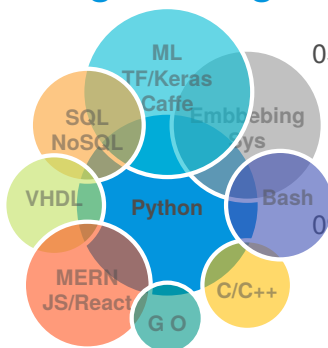
Mail

frans.caraveli@
gmail.com

Web & Git

franscaraveli.hol.es
github.com/Frans06
repo.qbo.tech/profile
itesm.academia.edu/
FransRamirezNeyra

Programming



03/17 - Now **Software Engineer**

Connus International

Company dedicated to the automation, integration and innovation of services and technologies oriented to the private security sector.

- Integrate a LPR software solution trained by ourselves of OpenALPR.
- Made the deployment of the new software to the border between Mexico and the USA (in all the crossings).
- Development of an implementation of the AWS face recognition software as a solution for ATT in their communication towers.
- Development of a platform for IoT monitoring, which integrates the face recognition, as well as infrastructure monitoring and sensor communication.
- Improving prototypes to production development for a better performance and long time maintenance.
- Improving to robust solutions implementing Debugging, Logging and Stress tests on Embedded Systems.
- Simple Implementation of ML technologies (Detectron, Fast-RCNN, YOLO) for simple Object Detection and data harvest.
- Deploy of simple Docker implementation for Stacks and Swarm scaling On AWS.

06/18 - Now **Manager & Developer**

Nure

QBO Project - Reverse Image Search Engine Development based on a Modern Neuronal Network characteristics extraction. Then Vectorizing results and indexing them on Elastic Search to make searching easy and fast. I dockerize solution with nvidia runtime and docker orchestration for autoscaling.

05/10 - 09/16 **Research Intern**

McGill University

I help to Graduate and Postgraduate students on investigation projects

- Electronic and mechanical design of drones and control implementation.
- Automatic Maneuvers for Fixed Wings Airplanes research.

09/16 - 12/16 **Project Investigator**

ITESM

Investigation in FPGA systems developing digital filters IIR or FIR and controllers. Contrasting and evaluating performance in analogic and digital filters and controllers

Education

2012 - 2016 **Bachelor's Degree in Mechatronic Engineering**

ITESM

Mechatronic Engineering oriented to Control and Electronics

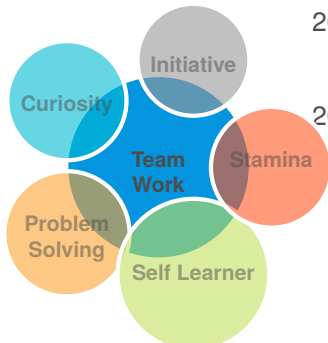
2004, 2009 **Technical Degree in Informatics**

CEO Manuel T. Calle, Universidad San Luis

Gonzaga

Wireless Connections and Internet Infrastructure

Personal Skills



OS Preference

GNU/Linux ★★★★★

MacOS ★★★★★

Windows ★★★★★

Places Lived

Mexico, Peru, Canada

Languages

Spanish ★★★★★

English ★★★★★

Projects

- Design and construction of an scaled airplane, Aero Design SAE || Time: 6 month
- Robot construction for FIRST Robotic Competition || Time: 3 Years
- Development of a line following by camera car for FreeScale Cup || Time: 2 Years
- Investigation in XO computer complement development. || Time: 1 Year

Honors & Awards

12/2016

Doble Golden Lamb Award

Awarded by take part of several activities along the Career

[Career Activities](#)

12/2016

Excelence Honorific Mention

Awarded by having the best GPA up to 9.5 out of 10

[Best GPA on Career Generation](#)