Prénom Nom

Signal & image processing engineer

@ elon.musk@gmail.com   📞 (+33) xxx   ✉ somwhere   📍 somewhere, Mars

WORK EXPERIENCES

Trader

📅 2020 – today   📍 Montauban

Trading cryptocurrency

Signal & image processing engineer

MAF Roda

📅 08/2019 – 09/2019   📍 Montauban

Image processing development in industry field using Matrox MIL library in C#.

`C#` `Matrox MIL` `Visual Studio 2015`

Software engineer

Astrophysics Laboratory of Marseille

📅 10/2013 – 04/2015   📍 Marseille

Within the scope of the Primed Focus Spectrograph project, an instrument control software has been developped.

I implemented a package, known as entrance unit, controlling differents devices such as shutters, slit, back-illumination system, hexapod, etc.

Last-year internship

National Center for Scientific Research UMR5600

📅 04/2012 – 10/2012   📍 Lyon

The aim was to study an approach to extract characterization of particle size distribution from images of the bed of the Rhone collected by a tele-operated catamaran (Catarob). I developed an imaging software with GUI.

`OpenCV` `Mamba` `R-cran` `Python`

Full-year internship

National Centre for Space Studies

📅 09/2010 – 09/2011   📍 Toulouse

I developed a SAR (Synthetic Aperture Radar) simulator performance for the BIOMASS project.

`Python` `NumPy` `SciPy`

Engineering internship

Creatis - INSA

📅 07/2010-09/2010   📍 Lyon

I explained a bias error resulting from images of tire deformation.

I found a way to implement matrix calculation using two GPU in CUDA.

`itk/vtk` `CUDA` `C++` `Matlab`

EDUCATION

Engineer in electronics

CPE (School of Chemistry, Physics and Electronics)

📅 2008 – 2012   📍 Lyon

Image and algorithm option.

`C` `C++` `Matlab`

Master of science

INSA (National Institute of Applied Sciences)

📅 2012   📍 Lyon

System and images option.

Certificate

Coursera

📅 2020

Deep Learning for computer vision.

`Faster RCNN` `SSD` `YOLO` `GAN`

PROJECTS

arduino project

📅 2020

optical flow and jpeg codec

`C` `ESP-IDF` `VScode PIO`

Data scientist

Openclassroom

📅 2017

machine learning and data science.

`Python` `scikit-learn`

Texture synthesis and inpainting

📅 01/2012 – 02/2012   📍 Lyon

`Matlab` `Markov Random Field`

I^{2}C interface

📅 2009 – 2010   📍 Lyon

`PIC16FXXXX` `C`

LANGUAGES

English
Cambridge English B2 First (FCE)   ●●●●○