DAVID TOLOSA ALARCÓN

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FORMATION

Master in Telecommunication Engineering, "MUIT"

School of Telecommunications Engineering – Universitat Politècnica de València

🗓 2019 – 2021

Bachelor's Degree in Telecommunication Technologies and Services Engineering

School of Telecommunications Engineering – Universitat Politècnica de València

🗓 2011 – 2019

EXPERIENCE & PROJECTS

Database developer/analyst

Ford Almussafes

🗓 Nov 2018 – June 2019   📍 Almussafes, Valencia, Spain

- Intership made in Supply Chain Management Department
- Full-Stack Development of an app for managing databases at Ford Almussafes' warehouses
- Storage analysis for budget reduction in supply chain
- Action proporsals and tracking for cost reductions
- Create in-app reports for warehouses supply prediction and logs
- Techs : SQL, C++, Microsoft Office, VBA, MS-DOS
- Competencies : Data analysis, Big Data, Programming, Prediction

Software Technician

F1 Connecting

🗓 Nov 2016 – Oct 2017   📍 Valencia, Spain

- Intership made in Hotline Department
- Monitoring and management of IT incidents
- Database management
- Creation of bash scripts to automate/improve tasks on servers
- Techs : Linux, Shell, SQL, C++
- Competencies : IT Services,Database Management,Scripting

Master's Thesis: Music Segmentation based on Deep Learning

Universitat Politècnica de Valencia

🗓 Feb 2021 – Sep 2021   📍 Valencia,Spain

- Design and Training of CNNs for detecting music structures on EDM songs, implementation of audio features extraction algorithms and model's evaluation
- Techs : Python, Numpy, Tensorflow, Keras, CUDA.
- Competencies : Machine Learning, Data Science, Music Information Retrieval

Development of a embedded Chroma Key on a FPGA Altera using NIOS II processor

Universitat Politècnica de Valencia

🗓 Nov 2019 – Feb 2020   📍 Valencia, Spain

- Architecture design along with the implementation of the funcionallities
- Techs : Verilog,C++,Quartus II
- Competencies : Embedded Systems, Programming

ABOUT ME

- As part of my career perspective, I am looking for an internship or junior position. I have a great passion for software development and very interested in leading my work-career through that.

COMPETENCIES

Software Development

Digital Signal Processing

Learning capacity   Data Analysis

Machine Learning

INFORMATIC SKILLS

SQL	●●●●○
C++	●●●●○
Linux	●●●●○
Shell	●●●●○
Python	●●●●●
Matlab	●●●●○
Git	●●●●○
HTML/CSS/Js	●●●○○
Tensorflow/Keras	●●●●○
Numpy	●●●●○

LANGUAGES

Spanish	●●●●●
English	●●●●○

CERTIFICATES

CAE: First Certificate in English

University of Cambridge

🗓 June 2011

Complete Python Course

Udemy, Dr. Angela Yu

🗓 Oct 2020 - Sep 2021

Deep Learning Specialization Program

Coursera, Andrew Ng

🗓 Feb 2021 - Apr 2021

HOBBIES

Musician

Sciences & Technologies

Nature & Animals   Videogames