



# DANIEL FERNÁNDEZ MARTÍNEZ

Born in Badajoz (Spain), 28 October 1997

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## RESEARCH EXPERIENCE

*Research Support  
Engineer*

*November 2020 – Today*

Industrial Engineering School

UNIVERSIDAD DE EXTREMADURA

Industrial Research Project: “Forecasting of electrical energy consumption with advanced Machine Learning techniques”, Group of Industrial Applications of Artificial Intelligence.

Main technologies: Python (Keras – Tensorflow, Dash, Streamlit), R.

Supervisor: Dr. Miguel Ángel Jaramillo Morán.

*B.Sc. Thesis*

*September 2019 – June 2020*

Industrial Engineering School

UNIVERSIDAD DE EXTREMADURA

Title: “Analysis and time series forecasting of air quality data of the city of Badajoz”.

Main technologies: Python (Keras – Tensorflow)

Supervisor: Dr. Miguel Ángel Jaramillo Morán.

Qualification: 10/10 (with honors)

*B.Sc. undergraduate  
Internship*

*Julio 2019 – Agosto 2019*

Grupo Onisus, Fundecyt – Parque Científico y Tecnológico de Extremadura

Design and programming of an electromyographic signal capture and processing system for controlling a low-cost robotic hand manufactured by 3D printing.

Main technologies: C++, Altium

Supervisors: Mrs. Marta Barroso, Dra. Silvia Román Suero

## EDUCATION AND FELLOWSHIPS

<i>B.Sc. degree</i>	<i>July 2020</i>	UNIVERSIDAD DE EXTREMADURA
		B.Sc. Industrial Electronics and Control Engineering. Score: 7,48/10
	<i>2019-20</i>	BIALYSTOK UNIVERSITY OF TECHNOLOGY
		<i>Erasmus</i> Exchange fellowship.
	<i>2018-19</i>	UNIVERSIDAD DE CANTABRIA
		<i>SICUE</i> Exchange programe.
<i>M.Sc. (expected)</i>	<i>November 2021</i>	UNIVERSIDAD DE EXTREMADURA
		M.Sc. Simulation in Science and Engineering. Score (withoud final thesis): 8,52/10

## COMPLEMENTARY EDUCATION

<i>Deep Learning Specialization</i>	<i>March – May 2020</i>	deeplearning.io
		“Neural Networks and Deep Learning; Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization; Structuring Machine Learning Projects.”
		Specialization program consisting in three courses about Deep Neural Networks and its application to Artificial Intelligence projects with the Python programming language.
<i>Object Oriented Programming</i>	<i>February – June 2016</i>	UNIVERSIDAD DE EXTREMADURA
		Improvement course in JAVA

## RELEVANT ACADEMIC ACHIEVEMENTS

<i>Programming</i>	Score: 9,2/10 (with honors)	UNIVERSIDAD DE EXTREMADURA
<i>IT systems</i>	Score: 9,3/10	UNIVERSIDAD DE CANTABRIA
<i>Computational Intelligence (MSc)</i>	Score: 9,5/10	UNIVERSIDAD DE EXTREMADURA

## LANGUAGES

<i>Spanish</i>	Native
<i>English</i>	Full professional competence, C1