



Manuel Garrido Martín

I N D U S T R I A L E N G I N E E R I N G
S T U D E N T

Research interests

Power system operations and economics, Computational Fluid Dynamics, renewable energy integration, statistical data/time series analysis, Machine Learning.

Contact information

Residence: Torremolinos (29620), Málaga

LinkedIn: www.linkedin.com/in/manuel-garrido-martin

Courses

Salisbury University

American Culture and Heritage | Jul. 2017

3-week course on a talent scholarship which was awarded due to the marks I achieved at Selectividad (University Entrance Exam).

Cornell University

Online course | Feb. 2020

ENGR2000X: A Hands-on Introduction to Engineering Simulations.

Projects

Motostudent

Former member of UMA Racing Team, project whose purpose is to design and develop a racing electric motorbike.

Software expertise

- | | |
|--------------|---------|
| - Matlab | - ANSYS |
| - Python | - Excel |
| - EnergyPlus | - C++ |
| - Autocad | - EES |

Conferences

Speaker at the American Physics Society March Meeting 2021 with the title "Proper Orthogonal Decomposition of a wing-tip vortex".

Education background

Bachelor's Degree in Industrial Engineering University of Málaga | Sept. 2016 - Jul. 2021

Specialisation in Thermal Engineering and Hydraulics, with a Final Thesis regarding a data-driven analysis of wingtip vortices.

Distinction with Honours in the fields of:

- | | | |
|---|-------------------|------------------|
| - Combustion | - Fluid Mechanics | - Linear Algebra |
| - Thermal Installations and Energy Efficiency | - Final Thesis | |

Brno University of Technology | Sept. 2019 - Jan. 2020

ERASMUS+ experience during Winter Semester in Czech Republic, covering courses focused on Mechanical Engineering and Aeronautics.

Master's Degree in Industrial Engineering University of Málaga | Oct. 2021 - Present

Work experience

Research Assistant

OASYS Research Group | Oct. 2021 - Present

Training position in leading-edge research, regarding the development of mathematical methods and solutions to achieve more efficient, secure and sustainable energy systems.

Technical Engineer

Grupo SANJOSE | Mar. 2021 - Jul. 2021

Languages

English - Full professional proficiency

C1 Advanced, Cambridge Assessment English

French - Professional working proficiency

Diplôme d'études en langue française DELF B1, Ministère de l'Éducation nationale

Spanish - Native proficiency