Pedro Jesús **Jódar Siles**

Contact information

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España

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Languages

English: C1 level
(Certificate of Advanced English with a B certified)

French: B1 level
(B1 certificate by the French Alliance with a qualification of 82%)

Technical skills

c++ ●●●●○
Python ●●●●○
Fortran●●●●○
Matplotlib ●●●●○
CUDA ●●●○○
Javascript●●○○
Express●●○○
Linux ●●●○○
Tkinter ●●●○○
Tensorflow ●●●○○
Agile ●●●○○
SQL ●●●○○
SOLID ●●●○○
Networkx●●○○

Education

2019-2020 **Master in Physics of Condensed matter and biological systems. Biophysics specialization** Universidad Autónoma de Madrid
In my Final Master Thesis I studied the collective behaviour of self-propelled particles using Brownian dynamics simulations and image analysis techniques. It was supervised by Juan Luis Aragonés

2015–2019 **Bachelor in Physics** Universidad de Granada
I obtained a final qualification of 8.66.
In my Final Bachelor Thesis I studied a lattice gas using stochastic process theory and Montecarlo simulations. It was supervised by Pablo Hurtado

Work experience

04 2020-Currently **External Employee** Siemens Gamesa
I work in a collaboration between University Carlos III de Madrid (directed by José Cuesta and Anxo Sánchez) and Siemens Gamesa. My work involves developping solutions for data analytics and performing internal presentations to publicize the results obtained. We use agile methodology.

04 2020-Currently **Graduate research technician** Universidad Carlos III de Madrid
I work in two projects: a collaboration between University Carlos III de Madrid and Siemens Gamesa and a model of virus evolution

07–09 2018 **Intern.** Physics department, Universidad de Jaén
I used c++ to code a Montecarlo simulation of an electrical double layer

Complementary education

- **Machine Learning** course conducted by Andrew NG and organized by Stanford University (Coursera)
- **Modeling Risk and Realities** organized by Pennsylvania University (Coursera)
- **Game Theory** course organized by the Universities of Standford and British Columbia (Coursera)

Awards and grants obtained in a competitive basis

- **Award to the Best Academic Record 17-18, Universidad de Granada**
- **Selected for a collaboration grant in the Department of Condensed Matter Physics (UAM), course 2019-2020** (Denied by incompatibility).
- **IFIMAC (institute of Physics of Condensed Matter) master-grants 19-20**