Pedro Jesús **Jódar Siles**

Contact information

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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●●●●○
Matlab ●●●○○
Matplotlib ●●●●○
Pandas ●●●●○
CUDA ●●●○○
Latex ●●●○○
Linux ●●●○○
Jira ●●●●○
Tkinter ●●●○○
Agile ●●●○○

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

2015–2019 **Physics degree** Universidad de Granada
I obtained a final qualification of 8.66.
In my Final Bachelor Thesis I applied stochastic processes theory to model diffusive processes in a lattice model

Work experience

04 2020-Currently **External Employee** Siemens Gamesa

04 2020-Currently **Graduate research technician** Universidad Carlos III de Madrid
I work in a collaboration between University Carlos III de Madrid and Siemens Gamesa. My work involves developping solutions for data analytics. We use agile methodology.

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**