

# Pedro Jesús Jódar Siles

## Contact information

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+34648845524

## 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 ●●●●○  
Tensorflow ●●●●○  
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 and image analysis techniques*
- 2015–2019 **Physics degree** [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 developing solutions for data analytics. We use agile methodology.*
- 04 2020-Currently **Graduate research technician** [Universidad Carlos III de Madrid](#)  
*I worked 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 Stanford 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**