

Pedro Jesús Jódar Siles

Contact information

28045 Madrid
Spain

pedrojjs97@gmail.com
<https://pedrojodar.github.io/>
+34648845524

Languages

English: C1 level
(Certificate of Advanced English. Grade B)

French: B1 level
(Certificated by French Alliance. Grade 82%)

Technical skills

C++ ●●●●○
Python ●●○○○
Matplotlib ●●●●○
CUDA ●●●●○
Linux ●●●○○
Apache Kafka ●●●○○
Agile ●●●○○
MongoDB ●●○○○
Git ●●●○○
Networkx ●●○○○

Education

- 2019-2020 **Master in Physics of Condensed matter and biological systems. Bio-physics specialization** [Universidad Autónoma de Madrid](#)
Final Master Thesis: study of the collective behaviour of self-propelled particles using molecular dynamics
- 2015–2019 **Bachelor in Physics** [Universidad de Granada](#)
Final Bachelor Thesis: study of a lattice gas using stochastic process theory and Montecarlo simulations.

Work experience

- 03 2023-ongoing **Software Engineer** [Indra](#)
- 03 2022-03 2023 **Jr Software Engineer** [Indra](#)
- 04 2020-03 2022 **External Employee (Data scientist)** [Siemens Gamesa](#)
Implementation of a data analytics solution in Python and c++
- 04 2020-ongoing **Graduate research technician** [Universidad Carlos III de Madrid](#)
*Data scientist in a collaboration with Siemens-Gamesa
Study (computational and analytical) of a network model with applications in ecology*
- 07–09 2018 **Intern.** [Physics department, Universidad de Jaén](#)
Development of an electrical double layer simulation

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)
- **Cisco CCNA Networking Fundamentals for IP networks** (Udemy)

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**