Alex Giménez Romero

Physicist

🏛 7 May 1997

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Interests ————

Currently interested in Statistical Physics, Statistical Mechanics and Physics of Complex Systems as well as computer simulations and data analysis.

Skills ————

Java

Office

R

SQL

C++

LaTex

Python

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Languages ————

German

English

Spanish

Catalan

Education

2015-2019	B.Sc. Physics	Autonomous University of Barcelona
	With honors in numerical methods I and II	

Electives and MOOCs

Electives	Theoretical Mechanics, Statistical Physics, Fluids and Superfluids, History of Physics, Physics of Radiations, Nuclear and Particle Physics, Astrophysics, Advanced Mathematical Methods. Final degree project in nanoscale heat transport from Monte Carlo simulations approach
MOOCs	-Introduction to R on Coursera. -Introduction to Java and SQL on Udacity. - SQL for data analysis on Udacity. -Fundamentals of Data Visualisation in Tableau on Udemy. -The Data Science Course 2019: Complete Data Science Bootcamp on Udemy

Work Experience and Internships

Mar-July'19	Research Internship	Instituit de Ciència de Materials de Barcelona
	Working in the Soft Matter Theory and Simulation group in the field of superparamagnetic colloids. I used VMD, Visual Molecular Dynamics, and created a statistical analysis interface in python for the study of magnetic chain formation. I also actively participated in the development of MagChain software.	
Sept-Mar'19	Bellman	Catalonia Hotels & Ressorts
	Took care of customer accommodation, gave information about the hotel and the city, kept the lobby clean and ordered...	
Since 2014	Private tutor	
	Teaching maths, physics and chemistry for secondary and high school alumni.	

Development and contribution

2019	MagChain Simulation Package	ICMAB
	Software Package to simulate and analyse superparamagnetic colloidal systems. Available in GitHub and free for academic purposes: https://github.com/magchainsimulationpackage	

Courses and certifications

2018	Advanced Open Water Diver
2016	Driver's License B1
2015	First Certificate in English (FCE)