

# Sergio López Padilla

## UPM-MC's in Computational Biology

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### Links of interest:

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[GitHub](#)

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Graduated in Biology from the University of Murcia, where I acquired the theoretical knowledge encompassing from genetics to ecology. During this period, I had my first contact with computer science and programming through projects both attached to the university and external to it. This stage concluded with the development of a Bachelor Thesis related to data analysis through computation, "Effects of climate change on areas of interest in the Iberian Peninsula". These results are under review in a scientific journal.

I am currently studying the Master's degree in Computational Biology of the Universidad Politécnica de Madrid (UPM). This has deepened both my biological and technical skills, which can be applicable in all fields of knowledge. Specifically, the knowledge acquired during the Master's Degree has allowed me to initiate an internship at the School of Physics of the Universidad Complutense de Madrid (UCM) in collaboration with the CIEMAT, to evaluate how the parameterization of climate models affects their output.

Acquiring a multidisciplinary character has allowed me to move with relative ease between research groups, working from biology to physics, which has allowed me to learn to use a wide variety of Artificial Intelligence and Data Science techniques, methods, and tools. I acquired broad experience within the R language during the Bachelor Thesis; Python, Ruby and SQL languages during the Master courses and finally, the Master Thesis is allowing me to learn Fortran language and the use of high-performance computing (HPC).

My interests are varied, as my background shows, and I consider that I can adapt to any workgroup. In the next stages of my career, I would like to pursue a PhD on numerical sciences. However, I do not currently rule out migrating to the area of business innovation, where I believe I can also add value and develop innovative ideas.