Ignacio Taguas Garzón

I am a highly motivated and competent biotechnology professional graduated ~~in~~ the *Universidad Politécnica de Madrid* (UPM) in 2019. I possess thorough knowledge of computational biology methods, including a variety of programming languages (Python, Ruby, R…), database design using MySQL and systems simulation. I am also fluent in written and spoken English.

Ever since I started my degree, I have been deeply interested in the field of Biotechnology, participating for two years as an active member of the board of directors of *AsBioMad*, an association dedicated to the cultural dissemination of Biotechnology in Madrid. I am particularly engaged in the dynamics of disease spreading in wild plant populations; my bachelor's final project, *"Effect of the infection of Albugo sp. in wild populations of Arabidopsis thaliana"* (done under the direction of Professor Fernando García Arenal at the *Centro de Biotecnología y Genómica de Plantas,* an institute of excellence Severo Ochoa), was done on this topic. Furthermore, I am currently pursuing a master in *Computational* Biology, also in the UPM, and my master's thesis is focused on the mathematical modelization of the propagation of diseases in spatial substrates.

My other big interest on the computational biology field is the use of data treatment methods and machine learning algorithms for the classification of instances based on their attributes, applied to diseases diagnosis. I did a two-month research on this topic in 2017 in the *Centro de Tecnología Biomédica*, under the direction of Professor Ernestina Menasalvas.

My main strengths are my teamwork skills and my ability to solve problems in an autonomous way. I have developed both of these skills by working as a leasure time monitor steadily for five years, participating in both weekly homework assistance and summer camps.

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