



# ANDREA ESCOLAR PEÑA

## Biotechnologist - Bioinformatician



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I am a Bachelor Biotechnologist from Technical University of Madrid (UPM) specialised in computational biology field, currently studying the Computational Biology Master at UPM, with the aim of obtaining a broad training in the field of computation.

### Professional profile

The Biotechnology degree has allowed me to acquire fundamental and relevant knowledge in the field of biology. In particular, this degree has taught me how we can use what nature offers us to advance in research and innovation. I have had the opportunity to attend classes in subjects like genetic engineering, microbiology, immunology and metabolism, among many others, that have contributed to consolidate my biology background. I have also had the chance to learn how to program in different languages: R, Bash, Python, SQL... It wasn't until I learnt about these languages that I realised that I really liked the computational biology field.

I wanted to continue acquiring knowledge in this important field nowadays because it is crucial to have programming skills to analyse large amounts of data and to obtain accurate conclusions in a fast and efficient way. That is why I continued my studies in the Master's in Computational Biology at UPM, where I have learned new programming languages such as Ruby and SPARQL. In addition to this, the Master's degree has also given me a global vision of the state of the art of bioinformatics and how to use the associated tools.

Regarding my academic achievement, along the years of my Degree I have been awarded the different excellence scholarships of Madrid Government, in addition to the one offered by the Master's degree in Computational Biology.

During these years I have acquired a lot of research experience. In the second year of my Degree I did an internship at the *Centro de Biotecnología y Genómica de Plantas (CBGP)*, working in the project "K+ AND Na+ HOMEOSTASIS IN FUNGI AND PLANTS", lead by Begoña Benito Casado. I also did the external curricular internship at CEU San Pablo University, in the allergy laboratory, supervised by María Escribese, Domingo Barber and Carlos Tarín, with whom I am also doing my Master's degree internship.