ANA SOLBAS CASAJÚS

• Biotechnologist and Computational Biologist •

PROFESSIONAL PROFILE

Computational Biology student aiming to pursue a career in Health Data Management and Analysis. I am interested in the intersection between Biology and Artificial Intelligence.

ABOUT ME

Driven by my interest in Life Sciences and Technology, I studied the **BSc in Biotechnology** with a Computational specialization at the Technical University of Madrid (UPM), where I graduated in 2022 with honors, having the best academic record of my class. During the Bachelor's degree, I had the opportunity to take courses in Bioinformatics, Data Bases and Machine Learning, becoming immediately attracted by the many possibilities that the intersection between Biology and Informatics offered, both academically and professionally. For this reason, in my last year of the Degree, I started an internship in the **Bioinformatics Unit** of the Fundación Jiménez Díaz (FJD) Hospital, where I also carried out the Bachelor's Thesis under the supervision of Pablo Mínguez and Raquel Romero. The aim of the BSc Thesis was to perform an **statistical analysis** of a Copy Number Variations (CNVs) database of patients with genetic rare diseases that could serve as a basis for building a variant prioritization pipeline to help on the diagnosis of genetic diseases from Next Generation Sequencing data (NGS). The internship helped me to reinforce my **programming skills** in R, Python and Bash, as well as to become familiar with **clinical bioinformatics pipelines**.

To complement the skills acquired in my Bachelor's degree, I decided to enroll in the **MSc in Computational Biology** program offered by the UPM. In this way, I could take Artificial Intelligence and Data Science related courses such as Health Data, Big Data, Semantic Technologies, and Knowledge Representation and Acquisition. In addition to my Graduate studies, this year I am working as a research intern on the School of Informatics of the Complutense University of Madrid (UCM) where I am involved in the construction and subsequent analysis of an Alzheimer's disease cognitive network using **graph theory** and **deep learning** tools, under the supervision of Professor José L. Ayala.

I am eager to pursue a career in **Artificial Intelligence** and **Health Data Analytics** where I can put into practice the skills and knowledge acquired during my academic formation as well as facing new challenges.

SKILLS

Programming skills (R, Python, Bash)

Big Data analytics (Apache Spark)

Statistics and data visualization (SPSS, Tableau)

Query languages knowledge (SQL, SPARQL)

LANGUAGES

Spanish - Native

English - Fluid (C1)

French - Basic (A2)

German - Basic (A1)

github.com/asolbas ana.solbas12@gmail.com
https://es.linkedin.com/in/ana-solbas-casaj%C3%BAs-50b16a217