

ANA RAMÍREZ

(+34) 611 58 71 96

Email: ana.ramirez.bernal@gmail.com



Graduated in Bioengineering from Universidad El Bosque in Bogotá D.C. (Colombia). During my years of study I have been able to learn about the relationship between biology and engineering in the development of solutions aligned to the needs of health and quality of life of individuals, communities and biological systems; all from a holistic approach and social commitment. This has allowed me to apply my knowledge and analytical thinking in the academic context, developing analysis of existing biological systems to build equipment to perform different measurements of plant physiological variables through image analysis and data management. During these years and thanks to the academic experience I have had, I have realized that the great technological contributions in society for an improvement in the quality of life have a combination of these components, engineering, computer science and biology, which is why I have a great interest to improve and acquire more knowledge in the management of biological data.

I am currently studying a Master in Computational Biology at the Polytechnic University of Madrid, where I have learned about the world of bioinformatics and the many options and applications that this fascinating career has, in addition to improving my knowledge in different programming languages such as Python, among others.

My interests are now oriented in chemoinformatics towards computational analysis of compound databases (virtual screening), prediction of different chemical properties through QSAR models in drug discovery and molecular docking. From my academic experience, I want to apply my knowledge in biological sciences and my skills in the use of different programming languages in bioinformatics analysis for the development of computational tools for drug discovery.