




Javier López Rodríguez

Biochemist &

Computational biologist

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ABOUT ME

23-year-old biochemist with an interest in programming and Artificial Intelligence. I consider myself a hard-working, proactive and motivated person, and I am always eager to learn new things.

LANGUAGES

- Spanish – Native
- English – C1

EDUCATION

I studied half a year in the **Bachelor of Engineering in Telecommunication Systems at Universidad Politécnica de Madrid**, where I got in contact with programming. Afterwards, I switched degrees, enrolling in the **Bachelor of Science in Biochemistry at Universidad Autónoma de Madrid**, and graduating with an average grade of **9.55/10**. During this time, I learned about biochemistry and biomedicine, while also getting introduced to bioinformatics and programming in Python and R.

My interest in programming and Artificial Intelligence led me to complete various **online courses** on Coursera and EdX, about object-oriented programming in Java, Python programming, and Deep Learning.

I am currently enrolled in the **Master's Degree in Computational Biology at Universidad Politécnica de Madrid**, where I have learned about data analysis, supervised and unsupervised machine learning, explainable artificial intelligence, semantic technologies and ontologies, Big Data engineering, genomic analysis and computational lead discovery. I have learned and increased my programming skills in Python (scikit-learn, PySpark, Analytics Zoo, RDKit), Ruby, R, SQL, OWL, SPARQL, bash, and git.

EXPERIENCE

During my Bachelor Degree, I did an internship for my Bachelor Thesis in **Centro Nacional de Biotecnología (CNB-CSIC)**, under the supervision of **Dr. César Augusto Santiago Hernández** and **Dr. Mario Mellado García**, where I learned molecular biology techniques related to protein expression and purification, cell cultures, and the creation of genetic constructs.

Currently, I am in the middle of the internship for my Master Thesis in **HI-Iberia Ingeniería y Proyectos**, an enterprise that applies artificial intelligence to solve problems, under the supervision of **Roberto G. E. Martín**. I am in the process of learning and improving my capabilities in machine learning, deep learning and generative models; as well as working in a team in order to solve real problems.