OSCAR PIETTE

COMPUTATIONAL BIOLOGIST

I have a Degree in Biochemistry from the Universidad Autónoma de Madrid (UAM) and am currently enrolled in a Master's Degree in Computational Biology from the Universidad Politécnica de Madrid (UPM). My interests are primarily fields of bioinformatics such as genomics, evolutionary biology, biophysics, and modeling of biological systems.

For my final Degree project, I worked at the Bioinformatics Unit from the Centro de Biología Molecular Severo Ochoa (CBMSO). The project took place from February to December 2021 under the supervision of the head of the Bioinformatics Unit, Ugo Bastolla. I greatly improved my skills in R and bash in data management tasks while investigating different similarity measures used to study the evolution of protein superfamilies.

This Master's degree has helped me become a transversal researcher in computational biology due to the diversity of the subjects and practices imparted in the Master. I have also greatly improved my programming skills, as well as expanded my knowledge about machine learning techniques and their applications.

Moreover, I am currently doing an internship at the Ontology Engineering Group of the UPM as part of my Master's Thesis. The result of this project would be a system that automatically and periodically reviews COVID-19-related information sources and integrates this new information into a knowledge graph.

PROFILE SUMMARY

Graduated in Biochemistry, I am currently enrolled in the master in computational biology at the UPM. I am a hard working person interested in the field of computational biology.

PROGRAMMING SKILLS

Advanced level in R, Ruby and Python.
Practical knowledge of the W3C Semantic Web standards, RDF and OWL, as well as SPARQL and spark.
Knowledge of bash and SQL.

LANGUAGES

- Spanish: Native
- French: Native
- English: B2
- German: A2

CONTACT:

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