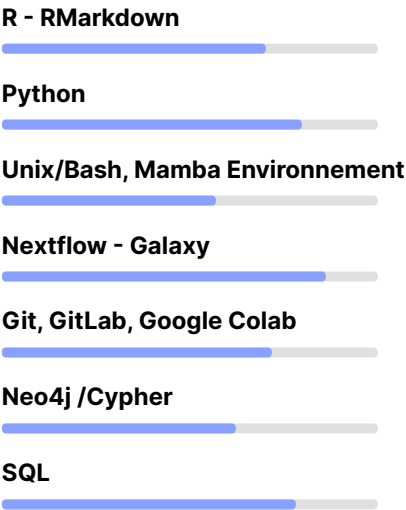


My expertise includes data analysis, developing bioinformatics pipelines, and working with NGS data. I am passionate about solving complex biological problems and am currently open to new opportunities in the field.

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☎ +33 6 98 03 63 93
📅 24 years old
📍 France

Computer skills



Languages

Kabyle
Mother tongue

French
C1

English
B2

Social networks

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🌐 @youcef-ben-mohammed

References

Charles BROTTIER
M2 internship supervisor
INSERM U1236 Rennes
charles.brottier@univ-rennes1.fr

Gwennaele Fichant
Head of the Bioinformatics Master's program
University of Toulouse III - Paul Sabatier
gwennaele.fichant@univ-tlse3.fr

Work experience

- Tutored project** 01/2023 - 05/2023 (I)
Center for Integrative Biology, Toulouse
Topic: Analysis of the effects of three-dimensional DNA folding on gene expression in *C.elegans*
This project involved analyzing ChIP-seq data to identify protein-binding sites and Hi-C data to map 3D DNA interactions in *C. elegans*. This work aimed to elucidate the impact of DNA folding on gene expression regulation.
- Bioinformatics Intern** 01/2024 - 06/2024 (I)
INSERM Grand Ouest, Rennes
Topic: Development of a deconvolution pipeline for bulk RNA-seq data for Follicular Lymphoma
This project focused on developing a pipeline for deconvolving bulk RNA-seq data to estimate cell-type proportions in patients with follicular lymphoma. The project involved literature review, method implementation, and constructing a reference atlas.

Education

- MSc Complementary skills in computer science** 09/2024
Aix Marseille University, Marseille, France
C language programming, Databases, Web languages, PHP, Object-oriented programming in Java, UNIX systems, Programming on mobile platforms (iOS and Android).
- MSc in Bioinformatics** 09/2022 - 06/2024
University of Toulouse III Paul Sabatier, Toulouse, France
Sequence alignment, Linear algebra, Multivariate data analysis, PL/SQL databases, Machine learning, Neural networks, Genomic annotation, Post-genomic data processing, Molecular modeling, Unstructured data management, Phylogenomics,
- BSc in Life Science** 09/2021 - 05/2022
University of Orleans, Orleans, France
Specialization: Biotechnology, Molecular and Cellular Biology.
Cellular Dynamics and Differentiation, Statistical Estimates, NMR, Mass Spectrometry, Protein Crystallography, Molecular Modeling, 3D Structure of Macromolecules, Regulation of Gene Expression, Epigenetics, Inferential Statistics
- BSc in Life Science** 09/2018 - 05/2021
University of Tizi Ouzou, Algeria, Algeria
Spicialization: Microbial Biotechnology
Bacteriology, Computer tools, Molecular biology and genetic engineering, Advanced Molecular biology techniques, Biostatistics, Enzymology, Biophysics. Metabolic and Structural Biochemistry, Mycology, Phylogeny. Simple linear regression.

Technical Skills

Bioinformatics & Computational Biology
Genomic data analysis, NGS data processing, phylogenomics.

Data Analysis & Machine Learning
Multivariate data analysis, machine learning models, Exploratory Data analysis.

Statistical Methods
Regression analysis, Statistical tests, Data visualization

Soft Skills

Problem-Solving

Critical Thinking

Adaptability

Creativity

Patience

Hobbies

Mountain climbing

Volunteering

Reading