

LUC Blassel

PhD Student, interested in Machine learning in Biology

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📍 Paris, France

Experience

Post-Doctoral Researcher, [CNRS](#), Paris, France 2023–
Improve the accuracy of predicted distances and develop the architecture of the model to accept unaligned sequences as input for the [phyloformer](#) project. Work with [Laurent Jacob](#).

PhD Student, [Institut Pasteur](#), Paris, France 2020–2023
PhD in computational biology, focused on improving and learning from sequence alignments.
Funded by [PRAIRIE](#) and supervised by [Rayan Chikhi](#). Manuscript [here](#).

Research Engineer, [Institut Pasteur](#), Paris, France 2018–2020
Using machine learning and large datasets to explore the drug resistance landscape in HIV.
Supervised by [Olivier Gascuel](#). Project page [here](#).

Data Scientist Intern, [CapitalData](#), Paris, France Mar-Sept 2017
Development of automated data validation and anomaly detection pipelines using R, Golang and Python.

Teaching and tutoring, self-employed, Paris, France 2015–2022
Tutoring in English, mathematics, biology, physics, chemistry and computer science. From middle school to university level. Weekly English oral examinations at the [ENCPB](#) since Sept. 2021.

Education

Masters of Science (M.Sc.), Dep. MIDO, Dauphine université, France 2017–2018
[IASD](#) program, courses in Deep learning, reinforcement learning and other machine learning techniques.

Diplôme d'Ingénieur, AgroParisTech, Paris, France 2014–2018
Multi-disciplinary curriculum with courses in biology, statistics, and compute science. Last year specialization in machine learning, [IODAA](#) program

BCPST Preparatory class, École Saint-Hilaire, Paris, France 2012–2014
2 year French [preparatory class](#) to prepare a nationally ranked exam for entry in the "Grande Écoles"
ranked 201/1967 (Veto), ranked 481/2991 (Agero)

Languages

French, English: Native proficiency

German: limited working proficiency (1mo. program at *Goethe Institute, Schwäbisch Hall, DE*)

Mandarin Chinese: Beginner level (5mo. program at *SISU Shanghai CN*, and 1mo. program at *UIR, Beijing, CN*)

Publications

You can find a complete list of my published work either on my [Google scholar](#) page or [ORCID](#) profile.