

Kenan OGGAD

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EDUCATION

Paris-Saclay Université Double Bachelor's Degree in Biology and Computer Science

2023 - Present

I aim to pursue a PhD in synthetic biology complemented by a master's or PhD in artificial intelligence. The interdisciplinary nature of this field is reflected in my current choice of education.¹

Aix-Marseille Université Master 1 in Fundamental Physics

2022 - 2023

My self-taught learning has brought me to an M1 level in fundamental physics², and I took the opportunity to study it for a year as an auditor.

General Baccalaureate

2022 - 2023

Specializations in Mathematics and Physics-Chemistry, completed as an independent candidate alongside the master's.

CNED

2021 - 2022

Final year (T^{ale}), with an average grade of 19/20 (+4.0 GPA), specializing in Mathematics, Physics-Chemistry, and optional subjects: Advanced Mathematics, Chinese (Lv2), and Japanese (Lv3) (after skipping the first year in traditional high school).

PROJECTS

iGEM Competition

Present - 10/2024

I am participating in the international synthetic biology competition³ as part of the Evry-Paris-Saclay team in the overgraduate category. Our project involves merging the PANCE⁴ and Evolution.T7⁵ systems to induce targeted mutagenesis and evolve a protein of interest.

BCI & Neurotechnology Spring School — g.tec

04/2024

Online spring school on recent innovations in Brain-Computer Interfaces (BCI) and neurotechnologies (140 hours, certificate of completion).⁶

Hackathon DigH@cktion

04/2024

Clarification of the sharing of medical expertise in oncology by training a Large Language Model (LLM) to improve Multidisciplinary Team Meeting (MTM) sheets. Techniques used include Regex, Optical Mark Recognition (OMR), and PDF parsing.⁷

Hackathon D4GEN — Genopole

03/2024

Fine-tuning a generative AI transformer model for protein-ligand pairs⁸ based on the XylS protein model for microplastic detection/degradation — jury's favorite award, 2500€.

Research Internship — IBISC Laboratory

06/2024

I will be conducting a research internship within the AROB@S⁹ bioinformatics team at the IBISC laboratory. My research topic is yet to be defined but will likely involve non-coding RNAs (ncRNAs) or coding non-coding RNAs (cncRNAs) and the dark proteome.

Summer School — Huazhong University of Science and Technology

06/2024

I have been selected to participate in a summer school in China at HUST¹⁰ (one of the best universities in the country for biotechnology and the best for biomedical engineering). Our research topic will focus on the genetic modification of *C.elegans*.

SKILLS

■ Programming Languages:

- C++/C (Backend and Algorithms)
- Python (Machine learning, TensorFlow, Pytorch)
- R (Statistical modeling)
- HTML/CSS (Frontend and Web)
- JS + Processing

■ Other Technical Skills:

- Snapgene (Plasmid design)
- KiCad (Printed circuit board design)
- L^AT_EX & T_EX (Document composition)
- Linux & Unix
- Git

■ Languages:

- English (Fluent)
- Chinese (Intermediate)
- French (Native)

¹LDD Biology and Computer Science — Paris-Saclay Université

²Master Physics — Aix-Marseille Université

³iGEM — <https://igem.org/>

⁴PANCE — Phage Assisted NonContinuous Evolution

⁵Evolution.T7 — Targeted mutagenesis

⁶Spring School g.tec — <https://www.gtec.at/spring-school-2024>

⁷Hackathon Oncology — <https://www.dighacktion.com/>

⁸PocketGen — <https://doi.org/10.1101/2024.02.25.581968>

⁹AROB@S — <https://www.ibisc.univ-evry.fr/equipe/arobas/>

¹⁰HUST — <http://english.hust.edu.cn/>