Kenan OGGAD

kenan.oggad@proton.me — oggad.com

EDUCATION

Paris-Saclay Université *2023 - Present*
Double Bachelor's Degree in Biology and Computer Science

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 *2022 - 2023*
Master 1 in Fundamental Physics

My self-taught learning has brought me to an M1 level in fundamental physics[2], 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 competition[3]as part of the Evry-Paris-Saclay team in the overgraduate category. Our project involves merging the PANCE[4]and Evolution.T7[5]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 pairs[8]based on the XylS protein model for microplastic detection/degradation — jury's favorite award, 2500€.

Research Internship — IBISC Laboratory *06/2024*

I conducted a research internship within the AROB@S[9]bioinformatics team at the IBISC laboratory. My research topic was on the dark proteome and the preimplantation factor protein.

Summer School — Huazhong University of Science and Technology *06/2024*

I was selected to participate in a summer school at HUST[10]in China (one of the best universities in the country for biotechnology and the best for biomedical engineering). The main study topic was on biosensors and sensory receptor of transgenic *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)
- LaTeX & TeX (Document composition)
- Linux & Unix
- Git

■ **Languages:**

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

[1]LDD Biology and Computer Science — Paris-Saclay Université
[2]Master Physics — Aix-Marseille Université
[3]iGEM — https://igem.org/
[4]PANCE — Phage Assisted NonContinuous Evolution
[5]Evolution.T7 — Targeted mutagenesis
[6]Spring School g.tec — https://www.gtec.at/spring-school-2024
[7]Hackathon Oncology — https://www.dighacktion.com/
[8]PocketGen — https://doi.org/10.1101/2024.02.25.581968
[9]AROB@S — https://www.ibisc.univ-evry.fr/equipe/arobas/
[10]HUST — http://english.hust.edu.cn/