BERARD ADRIEN

Master Student · Master 1 Physique Fondamentale et Applications

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Education

Sorbonne University   *Paris*
Master in Fundamentals Physics - Major in Statistical Physics and Quantum
mechanics-Minor in Artificial Intelligence and Biophysics   *2022 - present*

PSL University - Henri IV High School   *Paris*
BS Undergraduate Degree CPES Major in Experimental Sciences   *2019 - 2022*

Lycée Théodore de Banville   *Moulins*
French Baccalauréat in Sciences (minor in biology) - jury's congratulations and
highest honors   *2016 - 2019*

Research Experience

University of Copenhagen - Dept of Biology   *Copenhagen*
Supervisors: Dr. Genevieve Thon, Dr. Kim Sneppen   *Feb. 2024 - Present*
- Research internship: "Dynamics and kinetics of heterochromatine in fission yeast using liquid-liquid phase separation theory and molecular biology experiments"

Sorbonne University- Paris - Laboratoire Jean Perrin   *Paris*
Supervisor: Dr. Maxime Deforet   *Spring 2023*
- Research internship: "Experimental study of swarming behavior of Pseudomonas aeruginosa using microscopy and image analysis "

ESPCI- Physics for medecine lab   *Paris*
Supervisors: Dr. Mathieu Pernot, Dr. Olivier Pedreira   *Fall 2022*
- Research internship: "Multiparamaters' evaluation of cardiac dynamic using ultra-fast echocardiography"

Collège de France - Centre Interdisciplinaire de Recherche en Biologie *Paris*
Supervisors: Dr. Olivier Rivoire, Dr. Maitane Munoz Basagoiti   *Fall 2021*
- Internship duties : Molecular dynamics simulation of a minimal elastic catalyst model

Teaching Experience

2023	**High School mathematics, chemistry, physics, computer science**, Private tutor	*Paris*
2023	**Middle School mathematics**, Private tutor	*Paris*
2022	**High School mathematics**, Private tutor	*Paris*
2022 - 2023	**BS CPES mathematics, physics, chemistry**, Tutor	*Paris*
2022	**High school physics, chemistry, biology**, Private tutor	*Moulins*
2018	**Middle School mathematics**, Private tutor	*Moulins*

Languages

Languages spoken
French (Native) - English (Fluent) - Italian (Intermediate) - Danish (Beginner)

Coding skills

Python, Matlab, Fortran, LAMMPS, LaTeX, ImageJ, Fiji