

BERARD ADRIEN

MASTER STUDENT · MASTER 1 PHYSIQUE FONDAMENTALE ET APPLICATIONS

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Education

Sorbonne University

MASTER IN FUNDAMENTALS PHYSICS - MAJOR IN STATISTICAL PHYSICS AND QUANTUM
MECHANICS-MINOR IN ARTIFICIAL INTELLIGENCE AND BIOPHYSICS

Paris

2022 - present

PSL University - Henri IV High School

BS UNDERGRADUATE DEGREE CPES MAJOR IN EXPERIMENTAL SCIENCES

Paris

2019 - 2022

Research Experience

University of Copenhagen - Dept of Biology

SUPERVISORS: DR. GENEVIEVE THON, DR. KIM SNEPPEN

Copenhagen

Feb. 2024 - Present

- Research internship: "Dynamics and kinetics of heterochromatin in fission yeast using liquid-liquid phase separation theory and molecular biology experiments"

Sorbonne University- Paris - Laboratoire Jean Perrin

SUPERVISOR: DR. MAXIME DEFORET

Paris

Spring 2023

- Research internship: "Experimental study of swarming behavior of *Pseudomonas aeruginosa* using microscopy and image analysis"

ESPCI- Physics for medicine lab

SUPERVISORS: DR. MATHIEU PERNOT, DR. OLIVIER PEDREIRA

Paris

Fall 2022

- Research internship: "Multiparameters' evaluation of cardiac dynamic using ultra-fast echocardiography"

Collège de France - Centre Interdisciplinaire de Recherche en Biologie

SUPERVISORS: DR. OLIVIER RIVOIRE, DR. MAITANE MUNOZ BASAGOITI

Paris

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 languages

PYTHON, MATLAB, FORTRAN, LAMMPS, LATEX, IMAGEJ, FIJI