

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

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 teacher

Moulins

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 heterochromatin 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 medicine lab

Paris

SUPERVISORS: DR. MATHIEU PERNOT, DR. OLIVIER PEDREIRA

Fall 2022

- Research internship: "Multiparameters' 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