

# Haocheng YANG - CV

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**Date of birth** 30/07/1998  
**Nationality** Chinese  
**Email** haocheng.yang@universite-paris-saclay.fr  
**Website** <https://hcyang-math.github.io/>

## Education

**10/2022-** **ENS Paris-Saclay**, Gif-sur-Yvette, France  
Diploma : PhD  
Thesis : Microlocal energy estimates for solutions of linear and nonlinear dispersive evolution equations  
Directions : Thomas ALAZARD, co-direction with Jean-Marc DELORT

**09/2020-09/2022** **Université Paris-Saclay**, Orsay, France  
Diploma : Master Hadamard  
Program : M1 + M2 Parcours Jacques Hadamard

**09/2016-07/2020** **University of Chinese Academy of Science**, Beijing, China  
Diploma : Bachelor of Mathematics and Applied Mathematics

## Preprints and Publications

[2] H. Yang. *Virial Theorem and Its Applications in Instability of Two-Phase Water-Wave*. arXiv:2405.06517  
[1] H. Yang. *Microlocal Partition of Energy for Fractional-Type Dispersive Equations*. arXiv:2309.15282

## Talks and Posters

**01/2024** **Long Time Behavior and Singularity Formation in PDEs: Part VI** - Abu Dhabi, United Arab Emirates

**12/2023** **Séminaire des doctorants d'analyse d'Orsay** - Orsay, France

## Attended Conferences and Seminars

**01/2024** **Long Time Behavior and Singularity Formation in PDEs: Part VI** - Abu Dhabi, United Arab Emirates

**07/2023** **IMJ-PRG Summer School 2023** - Paris, France

**06/2023** **Journées EDP 2023** - Aussois, France

**01/2023** **Conférence itinérante du GDR Analyse des EDP** - Nantes, France

**10/2022** **Oberwolfach Seminar: Free Boundary Problems in Fluid Dynamics** - Oberwolfach, Germany

**06/2022** **Summer school on fluids and turbulence** - Lyon, France

## Internships

- 04/2022-06/2022    Internship M2** - ENS Paris-Saclay, Gif-sur-Yvette, France  
Subject : Microlocal analysis of free-surface Euler equation  
Tutor : Thomas ALAZARD
- 12/2019-06/2020    Bachelor Thesis** - University of Chinese Academy of Science, Beijing, Chine  
Subject : Long Time Behavior of the Solutions to Axisymmetric Navier-Stokes Equations  
Tutor : ZHANG Ping

## Teaching Experiences

- 01/2023-05/2023    L1 Math 3 - Analyse 1**  
Université Paris-Saclay, Orsay, France
- 09/2023-12/2023    L1 Maths 2 : Algèbre et Géométrie**  
Université Paris-Saclay, Orsay, France
- 01/2023-05/2023    L1 Math 3 - Analyse 1**  
Université Paris-Saclay, Orsay, France
- 10/2022-12/2022    L1 Soutien Math**  
Université Paris-Saclay, Orsay, France

## Scholarship and Awards

- 10/2022-09/2025    Allocations Doctorales LMH**
- 09/2020-07/2022    Bourses Master Sophie Germain**
- 09/2016-07/2019    Student Scholarship of UCAS**

## Skills

- Language**                    Chinese (native), English (advanced), French (intermediary)
- Computer**                  C, Python,  $\text{\LaTeX}$