# Pierrick Le Vourc'h

*PhD student*

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## Experience

2023-2026 **PhD student** *IMAG, Université de Montpellier, France.*

Thesis untitled *Derivation and analysis of compressible multiphase flow models*, supervised by N. Seguin and K. Saleh.

## Education

2022-2023 **MSc: Advances Mathematics, PDE major** *ENS de Lyon, France*

2021-2022 **MSc: Agrégation de mathématiques** *ENS de Lyon, France*

French teaching competitive exam. Option: Scientific computations. Ranked 61.

2020-2021 **Master 1: Advanced Mathematics** *ENS de Lyon, France*

2019-2020 **BSc: Fundamental Mathematics** *ENS de Lyon, France*

2016-2019 **Preparatory class: CPGE MPSI-MP***, *Lycée La Pérouse-Kerichen, Brest, France*

French prparatory program to prepare the competitive exams for engineering and top scientific studies. Option: computer sciences.

## Publications

## Talks and presentations

Feb 2024 **PhD Student Seminar of the ICJ and UMPA** *Lyon, France*

Talk untitled "Averaged models for compressible multiphase flows".

Jan 2024 **Integration Days of the Institut Camille Jordan** *Lyon, France*

Presentation of a poster untitled "Derivation and analysis of compressible multiphase flow models"

## Teaching experience

2023-2024 **Seminar teacher** *Université Claude Bernard Lyon 1, France*

Supervision of 64h of mathematics seminar for college freshmen.

2022-2023 **Supervision of oral evaluations in preparatory classes** *Lycée du Parc, Lyon, France*

## Internships

Apr 2023 to Jul 2023 — **Institut Camille Jordan** *Lyon, France*
*Derivation of a bifluid stratified compressible flow model*, supervised by Khaled Saleh.

May 2021 to Jul 2021 — **ICMAT** *Madrid, Spain*
*Analytical and Numerical Approach to the Dirichlet Problem for Laplace's Equation*, supervised by José María Martell.

Jun 2020 to Jul 2020 — **CEREMADE** *Paris, France*
*Introduction to control theory*, supervised by Pierre Lissy.

## Skills

### Computer skills

**Python** Intermediate knowledge

**LaTeX** Extensive knowledge

**Office suite** Advanced knowledge

### Languages

**French** Mother tongue

**Breton** Mother tongue

**English** Level C2 (Cambridge English Advanced, 205 points)

**Spanish** Intermediate knowledge