



# Zakaria Otmane

Engineering Student in Mathematics

## Profile

Final-year Engineering student in Applied Mathematics at INSA Rennes and M1 student in Fundamental Mathematics. Strong background in applied probability, optimization, and numerical methods. Dynamic and proactive, with a continuous drive to develop efficient and optimal approaches, interested in research engineering in optimal transport and control.

## Experience

2025

**Instituto Superior Técnico (IST),  
Universidade de Lisboa**

### Research Intern in Optimal Transport

Theoretical and numerical introduction to image processing through Sinkhorn-type algorithms.

2024 - Now

**INSA-Rennes,  
Université de Rennes,  
IRMAR**

### Research Initiation Project

Several stimulating academic projects focused on the study of the Riemann zeta function, holomorphic ODEs, and computer-assisted construction of PDE solutions.

## Education

2025 - Now

**Université de Rennes**

### Master's in Pure Mathematics

Advanced courses in algebra, analysis and probability, with a focus on PDEs.

2023 - Now

**INSA-Rennes**

### Engineering Degree in Applied Mathematics

Solid training in statistics, optimization, and numerical analysis.

2021-2023

**Lycée Dupuy de Lôme**

### Preparatory Classes MPSI-MP

Intensive training in mathematics and physics.

## Professional web pages

### LinkedIn profile

**Link :** [linkedin.com/in/zakaria-otmane-561](https://www.linkedin.com/in/zakaria-otmane-561)

### Personal website

**Link :** <https://zakaria183.github.io/zakaria-otmane-website/>

## Contact



### Phone

+33 06 44 07 16 88



### Email

[zakaria.otmane@insa-rennes.fr](mailto:zakaria.otmane@insa-rennes.fr)



### Address

2 rue Louis Roche 56100 Lorient

## Expertise

### Mathematical Analysis

- Stochastic Processes & Statistical Modeling
- PDE-Based Modeling
- Optimization under Constraints

### Programming

- MATLAB
- Python
- C/C++

## Language

- French : Native
- English : B2
- Spanish : B1