Zakaria Otmane

Engineering Student in Mathematics

Contact

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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

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 : https://linkedin.com/in/zakaria-otmane-56l

Personal website
Link : https://zakaria183.github.io/zakaria-otmane-website/