Alixe DA RIN

Curriculum vitae

Bâtiment Alan Turing
1 rue Honoré d'Estienne d'Orves
91229 Palaiseau, France
✆ *Phone: +33 (0)768050301*
✉ *darin@lix.polytechnique.fr*

Education

2025–now **Ecole Polytechnique**, Palaiseau, France
PhD Student, Advisors : Joris Van Der Hoeven, Gleb Pogudin.

2024 – 2025 **University of Franche-Comté**, Besançon, France
Master Student, Master 2 research, specializing in numerical analysis.

2021 – 2025 **University of Franche-Comté**, Besançon, France
Magistère of Mathematics (= University degree), Mathematics courses that introduce research in Mathematics.

2024 **Successful candidate of the Agrégation externe de Mathématiques**
Competitive exam aimed at recruiting teachers and researchers (168th place).

2023 – 2024 **University of Franche-Comté**, Besançon, France
Master Student, Master 2 general Mathematics with honours.

2022 – 2023 **University of Franche-Comté**, Besançon, France
Master Student, Master 1 general Mathematics with honours.

2021 – 2022 **University of Franche-Comté**, Besançon, France
Bachelor Student, Bachelor in fundamental Mathematics with honours.

2019 – 2021 **Lycée (= Higschool) Victor Hugo**, Besançon, France
Classe préparatoire Student, two-year undergraduate intensive preparation courses for the entrance exams to top French engineering schools, faculty of mathematics and physics.

2019 **Obtention of a Bachibac**, Dijon, France
French and Spanish highschool diplomas.

Work experience

2022 - 2024 **Math tutor** for high school and middle school students.

2022 **Observation and practical internship in highschool** during one semester in Lycée (= Highschool) Montchapet, Dijon, France.

Research related activities

2025 **Master 2 Internship** During the second half of my Master's degree, I am doing a research internship in numerical analysis, working on deflation methods for the computation of optimal Wasserstein barycenters , under the supervision of Mrs. Geneviève Dusson.

2024 **Master 2 Project** My fisrt Master 2 project was about the convergence of a greedy algorithm in the metric space $(\mathcal{P}_2(\Omega), W_2)$, the space of the probability measure that admit a moment of order two with the wasserstein distance. This porject was under the supervision of Mrs. Geneviève Dusson.

2023 **Master 1 Project** During my master 1, I have worked for my project on "Unconditionnality in Banach spaces" under the supervision of Mr. Christian Le Merdy.

2022 **Bachelor Project** During my bachelor, I have worked on a project about graphs and how they can be used to solve various problems. This project was supervised by Mr. Olivier Fouquet.

Skills

Language French (native), English (fluent), Spanish (intermediate)

Programing Python, Julia, C++ and LaTeX