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🌐 <https://perso.ens-lyon.fr/alaah.ibrahim/>
📍 69200, Lyon
📅 25 years old

Languages

French
Proficient (Delf B2)

English
Proficient

Distinctions

Excellence Scholarship for Master's (M1 & M2)
The Jacques Hadamard Mathematical Foundation (FMJH)

Interests

Cooking

Hiking

Alaa IBRAHIM

PhD student in Computer Algebra

Education

- **Third-year PhD student**
Since October 2022 [INRIA](#) ENS de Lyon, France
Automatic proofs of inequalities between sequences and special functions,
Supervisors: Alin Bostan, Mohab Safey El Din and Bruno Salvy
- **M2 in applied Algebra**
From 2021 to 2022 [UVSQ](#) Versailles, France
Ranked First
- **M1 in Fundamental Mathematics**
From 2020 to 2021 [Université Paris Saclay](#) Orsay, France
- **Bachelor's Degree in Mathematics**
From 2017 to 2020 [Lebanese university](#) Beirut, Lebanon
Ranked First
- **Lebanese Baccalaureate, General Sciences Track**
From 2016 to 2017 [Ghobeiry Public High School](#) Lebanon

Work experience

- **Teaching assistant**
From 2022 to 2024 [Université de Lyon 1](#) Lyon
Analysis and Linear Algebra tutorials for L1 students

Computer skills

Maple, SageMath, C

Publications

Positivity Certificates for Linear Recurrences
SODA 2024
Joint work with **Bruno Salvy**

Positivity Certificates for P-recursive Sequences (Poster)
ISSAC 2023, Tromso Norway