

Adam Arras

Curriculum vitae

Personal Data

Born 1994, Montpellier, France
Nationality French, German
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Positions

2023-Present Postdoctoral researcher, DYNASNET group, *Alfréd Rényi Institute of Mathematics*, Budapest
2022-2023 Teaching and Research Assistant (ATER) *Aix-Marseille University*, Marseille

Education

2019-2023 PhD in mathematics at *Institut de Mathématiques de Marseille* under the supervision of Charles Bordenave.
2015-2019 Supported student at the *École Normale Supérieure Paris-Sclay*, France
2018 Year of pre-doctoral study: with Pierre Youssef (*Paris Diderot University*) and with Konstantin Tikhomirov (*Georgia Institute of Technology*)
2017 Ms of Mathematics: Master MVA (Mathématiques - Vision - Apprentissage), with high honours
2015 Bs of mathematics: with high honours

Talks

- 2024
 - Research seminar, *Alfréd Rényi Institute of Mathematics*, Budapest
- 2023
 - Probability seminar, *IRMA*, Strasbourg
 - Workshop in Discrete Mathematics and Probability, *Alfréd Rényi Institute of Mathematics*, Budapest
- 2022
 - Probability seminar, *UMPA*, Lyon
 - LdRAM Working Group, *École Normale Supérieure de Lyon*, Lyon
 - GDR MEGA Probability Summer School, Aussois
- 2021
 - Colloque Jeunes Probabilistes et Statisticiens, Orléon
 - GDR MEGA Probability Summer School, Saint-Malo

Publication/Preprints

AA, *Random Schrödinger operators and convolution on wreath products*, arXiv preprint (2025)

AA and C Bordenave, *Existence of absolutely continuous spectrum for Galton-Watson random trees*, Communications in Mathematical Physics 403 (1), 495-527

Refereeing

Electronic Communications in Probability
European Journal of Combinatorics

Teaching Experiences

- 2022-2023 Advanced course in real analysis, *Polytech Marseille*
- 2021-2023 Fourier and Complex analysis, *Aix-marseille university*
- 2019-2021 Introduction to real analysis, *Polytech Marseille*
- 2016-2018 Oral examiner in mathematics, *Classes Préparatoires aux Grandes Écoles Jacques-Decour*, Paris.

Other Activities

- 2022 Scientific outreach for the project *Regards de Géomètre, Les maths en scènes*
 - *Middle School Saint Eutrope*, Aix-en-Provence
 - *High school Adam de Craponne*, Salon-de-Provence

Programming:

Python (good), C++ (initiated), Jekyll (basic), Ruby (introductory)

Languages

French	Native
English	Good
German	Beginner