

CURRICULUM VITAE

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Current positions:

- Apr 2025- Assistant research fellow at HUN-REN Alfréd Rényi Institute of Mathematics.
- Feb 2025- Teaching assistant at Budapest Semesters in Mathematics.
- Sep 2024- Doctoral student at Eötvös Loránd University (advisor: Balázs Gerencsér).

Previous positions:

- Aug 2023- Jul 2024: Actuarial Analyst, AON Hungary.

Teaching:

- Statistics practice class: Fall 2025
- Probability theory practice class: Fall 2020, Fall 2022, Spring 2023, Fall 2024, Spring 2025
- Calculus practice class: Spring 2022

Education and key qualifications:

- 2024-pres. (exp. 2028): **PhD in Applied Mathematics**, Eötvös Loránd University, Budapest
- 2021-2023: **MSc in Pure Mathematics**, Eötvös Loránd University, Budapest
- 2018-2021: **BSc in Mathematics**, Eötvös Loránd University, Budapest

Conferences, workshops:

- 2025: 22nd International Conference on Random Structures & Algorithms (Vienna, Austria)
- 2025: 18th Emléktábla Workshop (Velence, Hungary)
- 2025: XXXVI. Hungarian Convergence on Operation Research (Szeged, Hungary)
- 2022: Workshop on Random Graphs, combinatorial limits, stochastic processes (Erdős Center, Budapest)
- 2022: CSM - The 6th Conference of PhD Students in Mathematics (Szeged, Hungary): talk in the Geometry section
- 2021: Research Experience for Undergraduates (Rényi Institute, Budapest)

Awards and scholarships:

- 2024-25: Received EKÖP (University Excellence Scholarship Program) scholarship at Eötvös Loránd University
- 2023: "Outstanding Student of the Faculty of Natural Sciences", Eötvös Loránd University
- 2023: "Outstanding Student of the Institute of Mathematics", Eötvös Loránd University
- 2018-19, 2022-23: Received ÚNKP (New National Excellence Program) scholarship at Eötvös Loránd University

- 2021-22, 2022-23: Received NFÖ (National Higher Education Scholarship) at Eötvös Loránd University
- 2021, 2022: First Prize at the International Mathematics Competition for University Students
- 2019-20: participated in EFOP-3.6.3-VEKOP-16-2017-00002, hosted by the Faculty of Informatics, Eötvös Loránd University.

Other skills:

- Language proficiency: hungarian (native), english (fluent), mandarin (basic), german (basic)
- Computer skills: LaTeX, C++, python, vim

Publications:

[1] Nagy, Zoltán Lóránt, and Levente Szemerédi. "Steiner triple systems and spreading sets in projective spaces." Journal of Combinatorial Designs 30.8 (2022): 549-560.