Caelan Atamanchuk

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Educational Background

University of British Columbia Okanagan — September 2018 - May 2022
Bachelor of Science — Grade point average: 98.8%

McGill University — September 2022 - May 2024
Master of Science — Grade point average: 4.0
Supervisor: Luc Devroye
Thesis: "Reconstructing Shredded Random Matrices"

McGill University — September 2024 - Ongoing
Doctor of Philosophy — Grade point average: 4.0
Supervisors: Louigi Addario-Berry and Luc Devroye

Awards and Grants

UBC Okanagan Major Entrance Scholarship (UBCO) ($10,000)	2018 - 2020
Deputy Vice-Chancellor Scholarship (UBCO) ($1,000)	2019 - 2022
Upper Year Mathematics Award (UBCO)	2021 - 2021
Graduating Mathematics Award (UBCO)	2022 - 2022
NSERC Canada Graduate Scholarship (McGill) ($120,000)	2025 - 2028

Published or Accepted Papers

1: Atamanchuk C., Devroye L., Vicenzo, M. (2024) An algorithm to recover shredded random matrices. *SIAM Journal on Discrete Mathematics* 38(3).

2: Atamanchuk C., Devroye L., Lugosi, G. (2024) A note on estimating the dimension from a random geometric graph. *The Electronic Journal of Statistics* 18(2).

3: Atamanchuk C., Devroye L., Lugosi, G. (2025) On the size of temporal cliques in subcritical random temporal graphs. *Combinatorics, Probability, and Computing* 34(5).

4: Atamanchuk C., Devroye L., Lugosi, G. (2025) Uniform temporal trees. *Random Structures and Algorithms* 67(4).

Submitted Pre-prints

1: Addario-Berry L., Atamanchuk C., Kaye M. (2025) Kingman's coalescent on a random

graph. arXiv pre-print.

2: Angel O., Atamanchuk C., Brandenberger A., Donderwinkel S., Khanfir R. (2025) The largest common subtree of two random trees. arXiv pre-print.

3: Atamanchuk C., Briend S., Donderwinkel S., Herrera E. (2026) The packing and covering number of trees are local. arXiv pre-print.

4: Atamanchuk C., Briend S., Donderwinkel S., Herrera E. (2026) Packing and covering random trees. arXiv pre-print.

INVITED TALKS

CRM-ISM Montreal Probability seminar (Nov. 2025)
University of Victoria Probability and Dynamics Seminar (Nov. 2025)
CMS Winter Meeting 2026, Discrete-Time Processes on Graphs (Dec. 2026)