Caelan Atamanchuk

Department of Mathematics and Statistics,
McGill University,
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Educational Background

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

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

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

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

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: 2509-2529
○ URL: doi.org/10.1137/23M1615784

2: Atamanchuk C., Devroye L., Lugosi, G. (2024) A note on estimating the dimension from a random geometric graph. Accepted for publication in *The Electronic Journal of Statistics*.
○ URL: doi.org/10.48550/arXiv.2311.13059

3: Atamanchuk C., Devroye L., Lugosi, G. (2025) On the size of temporal cliques in sub-critical random temporal graphs. Accepted for publication in *Combinatorics, Probability, and Computing*.
○ URL: doi.org/10.48550/arXiv.2404.04462

Submitted Pre-prints

1: Atamanchuk C., Devroye L., Lugosi, G. (2025) Uniform Temporal Trees.
○ URL: doi.org/10.48550/arXiv.2501.13044

Relevant Volunteer Activities

VP Communications for GSAMS: September 2024 - Ongoing

I am currently the Vice President of Communications for the Graduate Statistics and Mathematics Society at McGill University. I attend the meetings for the group, where we plan events for the department. I also have the responsibility of advertising the events to the student body.

EOSW committee member: September 2022 - May 2023

In the 2022/2023 academic year I served as a member of the McGill Mathematics Equity, Outreach, and Social Well-Being Committee. Duties included attending meetings and contributing to outreach initiatives within mathematics.

Directed Reading Program Mentor: January 2024 - May 2024

In both the Winter 2024 and Winter 2025 semesters at McGill University, I took part in the Directed Reading Program in the mathematics department. In this program I supervised five third and fourth year mathematics students in a directed study of some research level mathematics.