Brayden Letwin

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Education

University of Alberta, Edmonton, AB   2021 - 2026
Bachelor of Science Honors in Mathematics, Focus in Convex Geometry and Algorithms.

GPA: 3.8/4.0

Professional Experience

Research Assistant, University of Alberta, Edmonton, AB   May 2024 - Aug. 2024
A continuation of research done in Convex Geometry with Vlad. Yaskin last summer. Further work is being developed in classification problems for Convex Bodies.

Teaching Assistant, University of Alberta, Edmonton, AB   Jan. 2023 - Present
CMPUT 175 - 4 semesters // MATH 144 - 2 semesters // MATH 146 - 1 semester

Research Assistant, University of Alberta, Edmonton, AB   May 2023 - Aug. 2023
Role involved solving problems in Convex Geometry under the supervision of Vlad. Yaskin. Outside of the main project, time was spent learning Fourier Analysis.

Projects and Competitions

Trading Bot - Built in Python. Used for trading in the Rotman International Trading Competition. Placed 20th/42 in the market making, volatility, and high frequency trading sections.

2024 Rotman International Trading Competition (Algorithmic Trading)	20th/42
2023 ICPC Rocky Mountain Regional Contest, Division 1	11th/36

Publications

ON A GENERALIZATION OF GRÜNBAUM'S INEQUALITY
Joint work with Vlad. Yaskin   pdf

Conferences Attended

Geometric Functional Analysis: Analytic, Discrete,   December 2023
and Probabilistic Aspects
CMS 2023 Winter Meeting, Montreal

Harmonic Analysis and Convexity   November 2023
Banff International Research Station, Alberta

Honors and Awards

Jason Lang Scholarship	2023
Murray Thomas Gibson Memorial Scholarship in Mathematics	2023
Dean's Honor Roll, University of Alberta	2023
NSERC Undergraduate Student Research Award	2023
Max Wyman Memorial Entrance Leadership Scholarship	2021
Alexander Rutherford Scholarship	2021