

Brayden Letwin

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Education

University of Alberta, Edmonton, AB	2021 - 2026
Bachelor of Science Honors in Mathematics.	GPA: 3.9/4.0

Professional Experience

Teaching Assistant, University of Alberta, Edmonton, AB	Jan. 2023 - Present
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Currently have worked 3 semesters as a teaching assistant. Worked under Dr. Osmar Zaiane, Dr. Hazel Campbell, and now Rejwana Haque (CMPUT 175) and Saeed Rastgoo (MATH 144).

Research Assistant, University of Alberta, Edmonton, AB Jan. 2023 - Aug. 2023

Conducted research in Convex Geometry. Role involved solving problems in Convex Geometry under the supervision of Dr. Vlad. Yaskin. Outside of solving problems, time was spent learning harmonic analysis and its applications to convex geometry. We produced one academic paper and explored numerous open problems.

Academic Papers

Volume Inequalities for Hyperplane Subdivisions and Sections of Convex Bodies, Joint work with Vlad. Yaskin	Not Available Yet
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Projects

Algorithmic Trading System, Project Leader Trading equities using models from Mathematical Finance	May 2023 - Present
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Skills

Programming Languages: Python, C++, (Plan on learning Mojo when released)

Mathematics: Well trained in all forms of Analysis and Geometry. Currently learning Stochastic Analysis

Activities

Competitive Programming Club, University of Alberta Member Learning under the supervision of Dr. Zachary Friggstad 50+ problems solved open.kattis.com	May 2023 - Present
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Honors and Awards

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