

- EDUCATION** **University of British Columbia**, Vancouver, British Columbia
PhD in Mathematics under Prof. Liam Watson, 2020-now.
MSc in Mathematics under Prof. Liam Watson, 2018-2020.
- McGill University**, Montréal, Québec
BSc Honors Mathematics with First Class Honors and Minor in Physics, 2014-2018.
- Collège Jean-de-Brébeuf**, Montréal, Québec
DEC Sciences Pures et Appliquées, 2012-2014.
- RESEARCH** An operator on bordered Khovanov homology induced by 2-cabling
In preparation.
- A Remark on the Lewark-Zibrowius Invariant
Submitted for publication.
- Thinking of $(1, 1)$ knots using elastic bands on peg-boards and combed glazing on the mille-feuille
MSc Thesis, August 2020
- “A Study of the Dirac Monopole”
BSc Project, supervised by Prof. Niky Kamran, Fall 2017.
- TEACHING** **University of British Columbia**
Teaching Assistant for the Department of Mathematics, 2018 - Present
- Collège Jean-de-Brébeuf**
Physics tutor, 2014-2016
- INVITED TALKS** 2025 *March 6*: Princeton Topology Seminar.
2023 *May 5-7*: Cornell Topology Festival.
2022 *October 23-28*: CMO BIRS Workshop: Using Quantum Invariants to do Interesting Topology.
- AWARDS AND RECOGNITIONS** *British Columbia Graduate Scholarship #6768*. Tenure: 2020
Faculty of Science Graduate Award #6444. Tenure: 2018 to 2019
NSERC USRA, Summer 2016
- CONFERENCES AND WORKSHOPS ATTENDED** 2024 *July 1-5*: New structures in low-dimensional topology
2023 *June 5-16*: Groups Around 3-Manifolds
2023 *May 5-7*: Cornell Topology Festival
2023 *April 24 - May 5*: Orderable Groups
2022 *November 14-18*: Floer Homotopical Methods in Low Dimensional and Symplectic Topology

2022 August 4-7: Summer school on the mapping class groups of 4-manifolds
2022 July 11-22: Séminaire de Mathématiques Supérieures 2022: Floer Homotopy Theory
2022 March 1-8: Interactions of gauge theory with contact and symplectic topology in dimensions 3 and 4
2020 June 7-12: Interactions of gauge theory with contact and symplectic topology in dimensions 3 and 4
2020 June 1-14: Nearly Carbon Neutral Geometric Topology Conference
2019 August 27-30: Current Progress in Low Dimensions
2019 August 5-7: Floer Homotopy Theory and Low-Dimensional Topology at the University of Oregon
2019 June 30 - July 20: PCMI Graduate Summer School. Topic: Quantum Field Theory and Manifold Invariants
2018 May 8-11: Perspectives on bordered Heegaard Floer Theory