

Education

- 2020- **PhD in Mathematics of Information**, *University of Cambridge*.
○ Supervisor : Gabriel Paternain.
- 2018-2020 **M.Sc. in Pure Mathematics**, *Université de Montréal*.
○ Thesis : [The parametric Steklov problem and its applications](#).
○ GPA : 4.3/4.3.
- 2015-2018 **B.Sc. in Pure and Applied Mathematics**, *Université de Montréal*.
○ GPA : 4.27/4.3.
- 2013 - 2015 **Diploma of Collegial Studies in Computer Science and Mathematics**, *Collège Bois-de-Boulogne*.
○ Final project: Programming a chess game for Android.

Publications *(Authors are in alphabetical order)*

- S. St-Amant. [Stability estimate for the broken non-abelian X-ray transform in Minkowski space](#). *Inverse Problems*, 38(10):105007, 2022.
- J. Mayrand, S. Sénécal, and S. St-Amant. [Asymptotics of sloshing eigenvalues for a triangular prism](#). *Mathematical Proceedings of the Cambridge Philosophical Society*, pages 1–33, 2021.
- J. Lagacé and S. St-Amant. [Spectral invariants of Dirichlet-to-Neumann operators on surfaces](#). *Journal of Spectral Theory*, 11(4):1627–1667, 2021.
- P. M. Gauthier, T. Ransford, S. St-Amant, and J. Turcotte. [Approximation by random complex polynomials and random rational functions](#). *Ann. Polon. Math.*, 123(1):267–294, 2019.
- S. St-Amant. [Un aperçu de la géométrie spectrale \[An overview of spectral geometry\]](#). *Journal étudiant en mathématique de l'Université de Montréal (JÉMUM)*, 2017.

Academic Work Experience

- 2020- **Undergraduate supervisor**, *University of Cambridge*.
○ IB Complex Analysis for Girton College (Lent 2022).
○ IB Analysis and Topology for Clare College (Michaelmas 2020).
- 2017-2020 **Teaching assistant**, *Université de Montréal*.
○ Real analysis 1 (Summer 20, Fall 19, Winter 19, Fall 18).
○ Linear algebra (Winter 18).
○ Fourier analysis (Fall 17).

Prizes and Scholarships

- 2020-2024 **Cambridge Trust Scholarship**, *Cambridge Trust*.
- 2020-2024 **PhD studentship**, *Cantab Capital Institute for the Mathematics of Information (CCIMI)*.
- 2020-2023 **Postgraduate Scholarship**, *Natural Sciences and Engineering Research Council of Canada (NSERC)*.
- 2020-2023 **Canada Graduate Scholarship**, *NSERC*.
○ Scholarship refused, because not applicable outside of Canada.
- 2019-2020 **Master's Research Scholarship**, *Fonds de recherche du Québec - Nature et technologies (FRQNT)*.

- 2018-2019 **Canada Graduate Scholarship-Master's**, *NSERC*.
2018 **Georges-Baril Scholarship**, *Université de Montréal*.
Jean-Miranda Prize, *Université de Montréal*.
2017 **Undergraduate Student Research Award**, *NSERC*.
Maurice-L'Abbé Prize, *Université de Montréal*.
2016 **Undergraduate Student Research Award**, *NSERC*.

Technical skills

Mathematica	Advanced	\LaTeX	Intermediate
Java	Advanced	MATLAB	Beginner
Python	Intermediate	HTML	Beginner