ACADEMIC POSITIONS	**École de technologie supérieure**, Montréal, Qc.

· Maître d'enseignement in mathematics (2017-)

Northwestern University, Evanston, IL.

· Ralph Boas Assistant Professor of Mathematics (postdoctorate) (2015-2017)

EDUCATION

Université de Montréal, Montréal, Qc.
· Ph.D. in pure mathematics. (2010-2015)

> Topic: *Croissance et ensemble nodal de fonctions propres du laplacien sur des surfaces.*
> Received with exceptional mention, the highest possible distinction.
> Supervisor: Iosif Polterovich.

· B.Sc., Mathematics. (2008-2010)
> Academic year 2009-2010 spent at Aarhus Universitet, Aarhus, Danemark.

Université de Sherbrooke, Sherbrooke, Qc.
· B.A., Psychology. (2001-2004)
> Academic year 2002-2003 spent at Université Louis-Pasteur, Strasbourg, France.

College of Sainte-Foy, Québec City, Qc.
· D.E.C. (Technical Collegial Diploma) in Computer Science. (1998-2001)

LANGUAGES

· French, English, German, Spanish, Danish.
· Basics of Russian, Finnish.

PUBLICATIONS

· B. Georgiev, G. Roy-Fortin, Polynomial upper bounds on Steklov nodal sets. To appear in Journal of Spectral Theory, (2018).
· G. Roy-Fortin, *Average L^q growth and nodal sets of eigenfunctions of the Laplacian on surfaces*, (2015) Submitted, arXiv:1510.02376.
· C. Rousseau, G. Roy-Fortin, *La géométrie intégrale*, Accromath, 10.2, (2015), 14-19.
· G. Roy-Fortin, *Nodal sets and growth exponents of Laplace eigenfunctions on surfaces*, Analysis & PDE, 8-1, (2015), 223-255.
· G. Poliquin, G. Roy-Fortin, *Wolf-Keller Theorem for Neumann Eigenvalues*, Ann. Sci. Math. Québec, 36, (2012), 169-178.

AWARDS

Dean's List of Academic Excellence (Ph.D.) (2016)
> · Université de Montréal. Recognizes the top 10% of the year's finishing Ph.D. cohort.

Carl Herz Prize (2015)
> · Given once a year for a major research contribution made by a doctoral student in mathematics.
> · Awarded by Institut des Sciences Mathématiques, a consortium of 9 higher learning institutions in the province of Quebec.

Excellence in Teaching Award (2015)
> · Université de Montréal. Given once a year across the whole institution.
> · Category: Lecturer.

Serge Bissonnette Prize (2014)
> · Université de Montréal. Awarded once a year to a Ph.D. student in mathematics.

· Recognizes academic excellency, quality of research, leadership.

Excellence in Teaching Award (2013)
· Université de Montréal. Given once a year across the whole institution.
· Category: Teaching Assistant.

Dean's list of Academic Excellence (B.Sc.) (2010)
· Université de Montréal. Recognizes the top 10% of the year's finishing B.Sc. cohort.

Fédŕation Informatique du Québec Academic Excellence Award (2001)
· Given to the highest academic average in the computer science department.

GRANTS AND SCHOLARSHIPS	
· FRQNT Mobility Scholarship, Hebrew University Jerusalem	(2015)
· NSERC Alexander Graham-Bell CGS-D3 Scholarship	(2012-2015)
· FRQNT-D3 Scholarship (declined)	(2012)
· NSERC Alexander Graham-Bell CGS-M Scholarship	(2011)
· FESP/Université de Montréal Direct access to Ph.D. grant	(2010-2012)
· MELS/Quebec Government Mobility Grant	(2009-2010)
· Institut des Sciences Mathématiques Research Grant	(2009)
· MELS/Quebec Government Mobility Grant	(2002-2003)

CONFERENCES AND WORKSHOPS

· Dirichlet-to-Neumann Maps: Spectral Theory, Inverse Problems and Applications   CMO Oaxaca (2016)
· AMS Special Session on Geometric PDE   Loyola University, Chicago (2015)
· Workshop on Spectral Theory of Laplace and Schrödinger Operators   BIRS, Banff (2013)
· Workshop on Eigenvalues of Laplace Operator   Université de Neuchâtel (2013)
· EWS-IAMP Summer School on Quantum Chaos   Erwin Schrödinger Institute, Vienna (2012)
· CRM - Géométrie des valeurs propres et des fonctions propres   Université de Montréal (2012)
· LMS-EPSRC Short Course on Spectral Analysis   University College, London (2011)
· NSF-CBMS Conference on Global Harmonic Analysis   University of Kentucky (2011)

REFEREE

· Geometry and Topology

ORGANIZATION

· Montreal Spectral Theory Seminar, Co-organizer with I. Polterovich and D. Jakobson.   (2014-2015)
· Colloque des étudiants de l'ISM, Organizing committee.   (2011)

TALKS

· Summer Northwestern Analysis Program, (Mini course, Summer 2017)

· Geometric Analysis Seminar, Northwestern University (3 talks).

· Montreal Analysis Seminar, Université de Montréal (4 talks).

· Harmonic Analysis and
Differential Equations Seminar, University of Illinois, Urbana-Champaign.

· AMS Special Session on Geometric PDE, Loyola University, Chicago.

· Colloque de l'Institut des Sciences Mathematiques,
Plenary speaker, HEC, Montreal.

· PDE and Applied Math Seminar, Technion, Haifa, Israel.

· Analysis Seminar, Northwestern University.

- Geometry and Topology Seminar, Dartmouth College.
- Séminaire d'analyse, Université Laval.
- Séminaire des étudiants gradués, Université de Montréal (4 talks).
- Workshop on Eigenvalues of Laplace Operator, Université de Neuchâtel.

EMPLOYMENT IN COMPUTER SCIENCE	**OZ Communications / NOKIA**, Montreal, Qc.	(2006-2008)
	· Programmer (C, C++, Java, SQL), promoted to product lead.	
	Gameloft, Montreal, Qc.	(2005)
	· Programmer (C++, Java, J2ME) promoted to team lead after 5 months.	
	· Managed a team of 15 programmers, led technical interviews.	

TEACHING EXPERIENCE	**Instructor**, Northwestern University.	
	· MAT230 - Advanced Linear Algebra	(Fall 2016, Winter 2017)
	· MAT224 - Integral Calculus of One-Variable Functions	(Winter 2016)
	· MAT230 - Differential Calculus of Multivariable Functions	(Fall 2015, Fall 2016, Winter 2017)
	Instructor, Université de Montréal.	
	· MAT1000 - Real Analysis I	(Summer 2015)
	· MAT1400 - Multivariable Calculus I	(Winter 2013, Fall 2014)
	· MAT1923 - Integral Calculus	(Winter 2014)
	Teaching assistant, Université de Montréal.	
	· MAT2300 - Differential Geometry	(Fall 2011, 2012, 2013)
	· MAT2466 - Fourier Analysis	(Fall 2011, 2012)
	· MAT1000 - Analysis I	(Winter 2010, 2013)
	· MAT2050 - Analysis II	(Winter 2011)
	· MAT1410 - Multivariable Calculus II	(Winter 2012)
	· MAT19XX - Various calculus courses	(2011-2014)

REFEREE	· Geometry and Topology	

ORGANIZATION	· *Montreal Spectral Theory Seminar*, Co-organizer with I. Polterovich and D. Jakobson.	(2014-2015)
	· *Colloque des étudiants de l'ISM*, Organizing committee.	(2011)

VOLUNTEER WORK	**Senior Connections Evanston**, Evanston, IL	(2016-2017)
	· One on one matching with a senior citizen on a weekly basis.	
	Centre Jeunesse Emploi Côte-des-Neiges, Montréal, Qc.	(Winter 2014)
	· Weekly homework support to new immigrants teenagers.	
	Big Brothers and Big Sisters of Montréal, Montreal, Qc.	(2008-2009)
	· Big brother for a teenager with integration difficulties in high school.	
	Radio Oxy-Jeunes, Dakar, Senegal.	(Spring 2004)
	· Volunteer cultural journalist for a local radio station in the suburbs of Dakar.	
	· Implemented internet streaming for the radio to be listened worldwide.	
	Big Brothers and Big Sisters Sherbrooke, Qc.	(2003-2004)

· Big brother for a boy with behaviour and attention problems in a primary school.

Centre Entraide le Relais, Strasbourg, France.   (2002-2003)
· Social and integration work with immigrants recently arrived in France.