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| ACADEMIC POSITIONS | École de technologie supérieure , Montréal, Qc. · Maître d'enseignement (Professor of Instruction) 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: <i>Croissance et ensemble nodal de fonctions propres du laplacien sur des surfaces</i> . Received with exceptional mention, the highest possible distinction. Supervisor: Iosif Polterovich. |
| | · B.Sc. in mathematics. (2008-2010) Academic year 2009-2010 spent at Aarhus Universitet, Aarhus, Danemark. |
| | Université de Sherbrooke , Sherbrooke, Qc. · B.A. en Psychologie (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) |
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| 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, <i>Average L^q growth and nodal sets of eigenfunctions of the Laplacian on surfaces</i> , (2015) Submitted, arXiv:1510.02376. · C. Rousseau, G. Roy-Fortin, <i>La géométrie intégrale</i> , Accromath, 10.2, (2015), 14-19. · G. Roy-Fortin, <i>Nodal sets and growth exponents of Laplace eigenfunctions on surfaces</i> , Analysis & PDE, 8-1, (2015), 223-255. · G. Poliquin, G. Roy-Fortin, <i>Wolf-Keller Theorem for Neumann Eigenvalues</i> , 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. |
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| | <ul style="list-style-type: none"> · Recognizes academic excellency, quality of research, leadership. | |
| | Excellence in Teaching Award | (2013) |
| | <ul style="list-style-type: none"> · Université de Montréal. Given once a year across the whole institution. · Category: Teaching Assistant. | |
| | Dean's list of Academic Excellence (B.Sc.) | (2010) |
| | <ul style="list-style-type: none"> · Université de Montréal. Recognizes the top 10% of the year's finishing B.Sc. cohort. | |
| | Fédération Informatique du Québec Academic Excellence Award | (2001) |
| | <ul style="list-style-type: none"> · Given to the highest academic average in the computer science department. | |
| GRANTS AND SCHOLARSHIPS | <ul style="list-style-type: none"> · 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 | <ul style="list-style-type: none"> · 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 | <ul style="list-style-type: none"> · Geometry and Topology | |
| ORGANIZATION | <ul style="list-style-type: none"> · Montreal Spectral Theory Seminar, Co-organizer with I. Polterovich and D. Jakobson. (2014-2015) · Colloque des étudiants de l'ISM, Organizing committee. (2011) | |
| TALKS | <ul style="list-style-type: none"> · 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 Mathématiques, Plenary speaker, HEC, Montreal. · PDE and Applied Math Seminar, Technion, Haifa, Israel. · Analysis Seminar, Northwestern University. | |

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| | <ul style="list-style-type: none"> · 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 | <p>OZ Communications / NOKIA, Montreal, Qc. (2006-2008)</p> <ul style="list-style-type: none"> · Programmer (C, C++, Java, SQL), promoted to product lead. <p>Gameloft, Montreal, Qc. (2005)</p> <ul style="list-style-type: none"> · Programmer (C++, Java, J2ME) promoted to team lead after 5 months. · Managed a team of 15 programmers, led technical interviews. | |
| TEACHING EXPERIENCE | <p>Instructor, Northwestern University.</p> <ul style="list-style-type: none"> · 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) <p>Instructor, Université de Montréal.</p> <ul style="list-style-type: none"> · MAT1000 - Real Analysis I (Summer 2015) · MAT1400 - Multivariable Calculus I (Winter 2013, Fall 2014) · MAT1923 - Integral Calculus (Winter 2014) <p>Teaching assistant, Université de Montréal.</p> <ul style="list-style-type: none"> · 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 | <ul style="list-style-type: none"> · Geometry and Topology | |
| ORGANIZATION | <ul style="list-style-type: none"> · <i>Montreal Spectral Theory Seminar</i>, Co-organizer with I. Polterovich and D. Jakobson. (2014-2015) · <i>Colloque des étudiants de l'ISM</i>, Organizing committee. (2011) | |
| VOLUNTEER WORK | <p>Senior Connections Evanston, Evanston, IL (2016-2017)</p> <ul style="list-style-type: none"> · One on one matching with a senior citizen on a weekly basis. <p>Centre Jeunesse Emploi Côte-des-Neiges, Montréal, Qc. (Winter 2014)</p> <ul style="list-style-type: none"> · Weekly homework support to new immigrants teenagers. <p>Big Brothers and Big Sisters of Montréal, Montreal, Qc. (2008-2009)</p> <ul style="list-style-type: none"> · Big brother for a teenager with integration difficulties in high school. <p>Radio Oxy-Jeunes, Dakar, Senegal. (Spring 2004)</p> <ul style="list-style-type: none"> · Volunteer cultural journalist for a local radio station in the suburbs of Dakar. · Implemented internet streaming for the radio to be listened worldwide. <p>Big Brothers and Big Sisters Sherbrooke, Qc. (2003-2004)</p> | |

- 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.