Contact Information

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	Department of Mathematics
	40 St. George Street, Room 6290
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Research Interests

Infinite combinatorics and Ramsey theory, homogeneous spaces, applications of the Proper Forcing Axiom

Education

Ph.D. - Mathematics: **University of Toronto** (2011 - Present)
Advisor: Stevo Todorcevic

M.Sc. - Mathematics: **University of Toronto**, (2010 - 2011)
Master's Project Advisor: Frank Tall

Hon. B. Sc. - Mathematics: **University of Toronto** (2005 - 2010)

Courses Taught

2014 Summer   **University of Toronto: St. George**
MAT135 - Calculus I (A)

2014 Fall & 2015 Winter   **University of Toronto: St. George**
MAT137 - Calculus!

2015 Fall & 2016 Winter   **University of Toronto: St. George**
MAT137 - Calculus! (*current*)

Talks Given

Toronto Student Set Theory Seminar

"Some papers we read about uniquely homogeneous spaces - Part II" (with Micheal Pawliuk) - 10 October 2013

"Some papers we read about uniquely homogeneous spaces - Part I" (with Micheal Pawliuk) - 3 October 2013

"Applications of the Proper Forcing Axiom and the Open Colouring Axiom" - Summer 2011

"A survey of results surrounding Menger's and Hurewicz's Conjectures" - Summer 2011

Other Talks

"The Rainbow Ramsey property for simple binary relational structures" - February 2015 - for Stevo Todorcevic's course "High-Dimensional Ramsey Theory"

"Completely separable MAD familes and $\beta\mathbb{N} \setminus \mathbb{N}$" - April 2013 - for Bill Weiss' course "Set Theoretic Topology"

"Waserstein's elementary proof of the Quillen-Suslin theorem" - April 2012 - for Goerge Elliott's course "K-Theory and $\mathbb{C}^*$ algebras"

"The Erdős-Hajnal theorem, with an application to elementary embeddings" - March 2012 - for Stevo Todorcevic's course "Combinatorial Set Theory"

Conferences and Workshops

60 Years of Dow - Celebrating the mathematics of Alan Dow
     6 - 9 December 2014 - Cornell Univeristy - Ithaca, New York, USA

Thematic Program on Forcing and its Applications
     July - December 2012 - Fields Institute - Toronto, Canada

Workshop on Forcing Axioms and their Applications
     22 - 26 October 2012 - Fields Institute - Toronto, Canada

Teaching Assistant

2015 Summer   **University of Toronto: St. George**
         MAT237 - Advanced Calculus (James Mracek & Tyler Holden)

2013 - 2014   **University of Toronto: St. George**
         MAT137 - Calculus! (Alfonso Gracia-Saz)
         MAT224 - Linear Algebra II (Chris Eagle)

                         University of Toronto: Scarborough
         MATC01 - Groups and Symmetry (Leo Goldmakher)
         MATC27 - Introduction to Topology (Paul Selick)

2013 Summer   **University of Toronto: St. George**
         MAT327 - Introduction to Topology (Micheal Pawliuk)

2012 - 2013   **University of Toronto: St. George**
MAT133 - Calculus and Linear Algebra for Commerce (Abe Igelfeld)
MAT188 - Linear Algebra for Engineers (Dietrich Burbulla)
MAT196/197 - Calculus for Engineers (Nara Jung)

                         University of Toronto: Scarborough
MATC01 - Groups and Symmetry (Ragnar Buchweitz)

2011 - 2012   **University of Toronto: St. George**
MAT133 - Calculus and Linear Algebra for Commerce (Abe Igelfeld)
MAT194/195 - Calculus for Engineering Science (Peter Stangeby/Jim Davis)
MAT196 - Calculus for Engineers (Nara Jung)
MAT235 - Multivariable Calculus (Soheil Homayouni)

2010 - 2011   **University of Toronto: St. George**
MAT195 - Calculus for Engineering Science (Jim Davis)

                         University of Toronto: Scarborough
MATA32 - Calculus for Management I/II (Raymond Grinnell)