

James Requeima
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Education

- **Master of Philosophy** in Machine Learning, Speech and Language Technology. University of Cambridge, 2015-present.
- **Master of Science** in Mathematics. McGill University, 2006-2008. GPA 3.9/4.0.
- **Bachelor of Science (Honours)** in Mathematics from the University of Manitoba, 2001-2006. GPA 4.3/4.5.

Academic Awards

- SALTISE project grant to promote student-centered active learning in science, 2013.
- NSERC Postgraduate Scholarship, 2007-2008.
- Institut des Sciences Mathématiques Award, 2007- 2008.
- NSERC Undergraduate Research Award. Awarded three times: 2004, 2005, 2006.
- University of Manitoba Student Union Scholarship. Awarded three times: 2005-2006, 2004-2005, 2002-2003.
- University of Manitoba General Scholarship, 2003-2004.
- University of Manitoba Entrance Scholarship, 2001-2002.

Professional/Academic Experience

- **Senior Researcher. Invenia Technical Computing, 2013-Present.**
Responsibilities include researching, developing and implementing portfolio optimization, clustering, ranking, and regression techniques for use in Invenia's automated electricity grid and wind farm forecasting, and for their automated electricity market trading algorithms. Also developing risk management strategies for trading systems.
- **Tenured Instructor. Dawson College, 2008-Present (Currently on Leave).**
Courses taught include Algebra, Calculus (I, II, III), Linear Algebra, Probability and Statistics, Mathematics for Civil Engineering and Business Mathematics. Responsibilities include preparing and giving lectures and examinations, and evaluation of the students. Member of various department and college committees responsible for administrative tasks and designing course frameworks.
- **Teaching Assistant. McGill University, 2007 - 2008.**
Responsibilities included preparing and giving weekly lectures, holding office hours, and

invigilating and marking quizzes and final exams.

- **Graduate Teaching Workshop Participant. McGill University, 2008.**
Workshop presented by the Tomlinson Project in University-Level Science Education focused on classroom methods to improve teaching and foster learning in the sciences.
- **Teaching Assistant. University of Manitoba, 2004-2006.**
Responsibilities same as teaching assistant above. Twenty-six course sections in total.
- **Research Assistant. University of Manitoba, 2003, 2004, 2005, and 2006.**
Largely self-directed summer research projects in the areas of Linear Algebra, Algebraic Topology, Geometry and Geometric Group Theory.

Volunteer Experience

- **Right to Move / La Voie Libre. 2006 - 2015.**
Bicycle mechanic. RTM/LVL helps people learn basic and advanced bicycle mechanics in order to promote the bicycle as an accessible, ecological, sustainable transportation alternative. Duties include teaching maintenance, building and repair skills, as well as helping with the daily operation of the bike shop.
- **Santropol Roulant. 2006 - 2015.**
Casual volunteer delivering meals.
- **Winnipeg Folk Festival. 2002 - 2009, 2014. Administration, Performer Services.**
Financial and accounting duties.
- **Cyclo Nord-Sud. 2008.**
Helped to organise an artistic bike show for summer 2008 to raise funds for Cyclo Nord-Sud, a charity that sends donated bicycles to developing nations.