Tom Kelly - Curriculum Vitae

University of Waterloo
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Education	**Ph.D. Candidate in Combinatorics & Optimization** University of Waterloo, Waterloo, ON. **A.B. Mathematics** Princeton University, Princeton, NJ, 2015, *Cum Laude*.
Awards	**Middleton Miller '29 Prize** Awarded for best independent work in mathematics ($1500 value), Princeton University, 2015.
Publications	**Submitted Articles** T. Kelly, C-H Liu. Minimum Size of Feedback Vertex Sets of Planar Graphs of Girth at least Five, European Journal of Combinatorics, accepted. arXiv:1603.04559 T. Kelly, C-H Liu. Size of the Largest Induced Forest in Subcubic Graphs of Girth at least Four and Five, Journal of Graph Theory, submitted. arXiv:1603.03855 T. Kelly, L. Postle. Exponentially Many 4-List-Colorings of Triangle-Free Graphs on Surfaces, Journal of Graph Theory, submitted. arXiv:1602.04717 **Published Articles** S. Connolly, Z. Gabor, A. Godbole, B. Kay, T. Kelly. Bounds on the Maximum Number of Minimum Dominating Sets, Discrete Mathematics, Volume 339, Issue 5, May 2016, pp. 1537–1542.
Presentations	**Conference Presentations** *"Large Induced Forests in Planar and Subcubic Graphs of Girth 4 and 5"*, SIAM DM '16, Atlanta, GA, June 2016. **Seminar Presentations** University of Waterloo, Graph Theory Seminar, Nov 2015.
Conferences Attended	New Trends in Graph Coloring, Banff, AB, Oct 2016. Younger @ 80 Directed Graphs Conference, Waterloo, ON, July 2016. SIAM Conference on Discrete Mathematics, Atlanta, GA, June 2016.

Teaching Experience	**Teaching Assistant at University of Waterloo**
	CO 342 - Introduction to Graph Theory, Spring 2016, Fall 2016.
	Math 127 - Calculus 1 for the Sciences, Winter 2016.
	Math 117 - Calculus 1 for Engineering, Fall 2015.