

Yingjie Qian

Contact

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Address: Skiles 146A, School of Mathematics, 686 Cheery St NW, Atlanta GA USA 30313

EDUCATION

Georgia Institute of Technology (Gatech)

Ph.D. Algorithms, Combinatorics and Optimization (Mathematics)

Atlanta, USA

Aug 2018 – Now

McGill University

M.Sc. Mathematics and Statistics (Thesis)

Montreal, Canada

Sep 2016 – Oct 2018

Bachelor of Arts & Science (B.A.&Sc.)

Sep 2012 – May 2016

First Class Joint Honors in Mathematics

First Class Joint Honors in Economics

Budapest Semesters in Mathematics (BSM 2014 Summer)

Distinction for Outstanding Performance

Budapest, Hungary

Jul – Aug 2014

Research

Papers:

- (with R.Kapadia, S.Norin) [Asymptotic density of graphs excluding disconnected minors](#).
- (with L. Hambardzumyan, H.Hatami) [Polynomial method and graph bootstrap percolation](#). Submitted.
- (with H.Hatami) [The Unbounded-Error Communication Complexity of Symmetric XOR Functions](#). Submitted.
- (with H.Hatami) [Teaching dimension, VC dimension and critical sets for Latin squares](#). Journal of Combinatorics, 9(1):9-20, 2018.

Talks:

- May 2019 31st Cumberland Conference, Florida, USA
- Nov 2018 ACO Student Seminar, Atlanta, USA
- Oct 2017 The Beauty of Discrete Mathematics, Montreal, Canada
- Jul 2017 Structure in Graphs and Matriods, Waterloo, Canada
- Jun 2017 Canadian Discrete and Algorithmic Mathematics Conference, Toronto, Canada
- May 2017 Math department, Northwestern Polytechnical University, Xi'an, China
- Mar 2017 (Poster) Women's Intellectual Network Research Symposium, Brown University, USA
- Aug 2016 (Poster) Sao Paulo School of Advanced Science on ACO, Sao Paulo, Brazil
- Jan 2016 Seminars in Undergraduate Mathematics in Montreal, Montreal, Canada
- Dec 2015 CMS Winter Meeting Student Presentation, Montreal, Canada
- Oct 2015 (Poster) Math and More Conference (BSM reunion), St. Olaf College, USA

Selected Scholarships & Awards

Scholarships/Funding:

- ACO fellowship, Gatech, Aug 2018 - Now
- Research Assistantship, Gatech, Jan 2018 – Aug 2018

- Grad Excellence Award, McGill, Sep 2016 – Aug 2018
- Hugh Brock Scholarships – McGill Entrance Scholarship, 2012

Awards:

- Honorable Mention on poster at Sao Paulo School of Advanced Science on ACO, Sao Paulo, Brazil, 2016
- Top 500 – 2016 William Lowell Putnam Mathematical Competition; Selected on McGill Team 2015&2016
- Distinction for outstanding performance (the only female student), BSM 2014 summer program
- Top 50 – Sun Life Financial Canadian Open Math Challenge (Canada), 2011&2012
- USAMO qualifier - American Mathematics Contest (North America), 2011
- Top 1.5% – Euclid Mathematics Contest (Canada), 2012

Non-Academic: President’s Pin, Ladies Branch, Royal Montreal Curling Club, 2017

Certificates: Exam P – Probability, Society of Actuaries; CFA level 1: Passed

Selected WORK & LEADERSHIP EXPERIENCE

Teaching Assistant

- Georgia Tech:
 - CS 6515 – Intro to Grad Algorithm (Online) 2019 Fall
 - MATH 1711 – Finite Mathematics 2018 Fall
- McGill:
 - MATH 223 – Linear Algebra (only TA for 220+ students) 2017 Fall, 2018 Winter
 - MATH 140 – Calculus I 2016 Fall

Canadian Mathematical Society **Canada**
General Member on Student Committee Jun 2016 – Aug 2017

- Organizer of Career Panel and co-organizer of Student Research Session at [2017 Mathematical Congress of the Americas](#)
- Co-organizer of Student Research Session at [2016 Canadian Mathematical Society Winter meeting](#)

Grader for 2016 Canadian Open Mathematics Challenge (Selection for Canadian Math Olympiad) **Canada**

McGill STEM Support **Montreal, QC**
Member on executive committee, Finance Oct 2017 – May 2018

Association for Women in Mathematics Montreal Student Chapter **Montreal, QC**
Vice President – Grad Sep 2017 – May 2018

Others:

- Co-President, McGill Chinese Graduate Student Association Sep 2016 – Sep 2017
- Member on Membership Committee, Royal Montreal Curling Club Jul 2017 – May 2018
- Member on Mensa China General Leadership Council Jul 2016 – Aug 2017
- Investment Banking Summer Intern, Shenwan Hongyuan Securities Co., LTD Jun 2015 – Aug 2015
- VP Finance, Borderless World Volunteers, McGill Chapter Sep 2014 – May 2015
- VP Finance, Freshman Undergraduate Science Society, McGill Oct 2012 – Sep 2013
- Member on Academic Committee, B.A.&Sc. Integrative Council, McGill Oct 2012 – Apr 2013