

Curriculum Vitae

(Last Updated: Oct.2nd, 2011)

Education

- 2010.9-Present Victoria College, Faculty of Arts and Science, University of Toronto
- Honours Bachelor of Science, Expected Graduation: June 2012.
 - Specialist in Mathematics and Its Applications, Probability/Statistics Stream
 - Cumulative GPA 4.0/4.0, Course Average 98/100
- 2009.9-2010.8 University of Toronto at Scarborough
- 2008–2009 Fudan College, Fudan University, Shanghai, China
- Major in Management and Economics

Employment

- Winter 2011 Teaching Assistant for MATA33H3 Calculus for Management II, University of Toronto
- Responsibilities include:
- Holding regular tutorial sessions and office hours
 - Designing and grading weekly quizzes
 - Invigilating mid-term and final exams
- Fall 2010 Teaching Assistant for STAB22H3 Statistics I, University of Toronto
- Summer 2010 Teaching Assistant for STAB22H3 Statistics I, University of Toronto
- 2008-2009 Class Representative for MATH120001 Calculus I, Fudan University

Research Experience

- Fall 2011 & Spring 2012 Supervised Study in Probability, Statistics Dept., University of Toronto
- Supervisor: Prof. Balint Virag
 - Topics: Random Walks on Graphs, Percolation Theory and Random Matrix Theory
- Summer 2011 Summer Research Student, Statistics Dept., University of Toronto
- Supervisors: Prof. Jeffrey Rosenthal & Prof. Radu Craiu
 - Topic: Regime Change Adaptive MCMC Algorithms
 - Velvet Revolution in Adaptive MCMC: The Benefits of Regime Change*
 - Dirichlet Process Mixture Models for Regime Change Algorithms*
 - Supported by University of Toronto Excellence Award (UTEA)
- Fall 2010 Supervised Research Student, Statistics Dept., University of Toronto
- Supervisor: Jeffrey Rosenthal
 - Topic: Markov Chain Monte Carlo algorithms

- Summer 2010 •*Optimal Scalings & General State Space Adaptive MCMC Algorithms*
 Supervised Study in Mathematics, Math Dept., University of Toronto
 •Supervisor: Lisa Jeffrey
 •Topic: Differential Topology
 •Final Report: *On Some Aspects of DeRham Cohomology and Morse Theory*
- Summer 2010 Summer Project Student, Statistics Dept., University of Toronto
 •Supervisor: Balint Virag
 •Topic: Markov Chains and Mixing Times
 •*Mixing Time of Lazy Simple Random Walk on the N-Cycle (and on d-Dimensional Torus)*
 •*Mixing Times of Totally Asymmetric Exclusion Process (TASEP) on the N-cycle*
- 2009.2 - 2009.6 Research Student, Department of Economics, Fudan University, China
 •Supervisor : Rangrang Bai
 •*Optimal Pricing Strategy with Market Power*
 •Supported by “Qi Hang” Undergraduate Research Award

Honours

- 2011.8 The Margaret Ronald Taylor and Thomas Paxton Taylor Award
- 2011.7 The Alumni of Victoria College Award
- 2011.7 University of Toronto Scholar Award
- 2011.6 Dean's List Scholar, University of Toronto
- 2011.4 University of Toronto Excellence Award (UTEA-NSE)
- 2011.2 Samuel Beatty Award, University of Toronto
- 2010.12 Shou Yun Pang Scholarship, University of Toronto
- 2009-10 Dean's Honor Roll, University of Toronto
- 2010 2010 Mathematical Contest in Modeling (MCM), Honorable Mention
- 2009 “Qi Hang” Undergraduate Research Award, Department of Economics, Fudan University, China
- 2009 Fudan University Scholarship, Fudan University
- 2009 College Leadership Award, Fudan College, Fudan University

Academic Affiliations/Activities

Affiliations:

Member: Toronto Probability Seminar, Undergraduate Math Union Summer Seminar, Summer 2010

Invited Lecturer: Association of Mathematics and Computer Science Students (AMACSS), University of Toronto

Talks:

June 2010 *New Mixing Times of Lazy Random Walks on N-cycle*, Toronto Probability Seminar

July 29, 2010 and Review sessions for Introduction to Probability (Invited Lectures),

Dec 3, 2010 AMACSS

Conferences:

April 28, 2011 Graduate Student Research Day, Fields Institute, Toronto, Canada

Other Extracurricular Activities and Experience

- 2008.12-2009.4 Vice-President of AIESEC, Fudan Univ., China
Major responsibilities include:
- Directing local committee to successfully develop and implement international exchange program
 - Administering goal-setting workshops and chairing regular local executive meetings
 - Organizing various activities with our business advisors such as PwC Career Night
 - Coordinating company visits
- 2011.9-2011.11 Ideas for the world seminar, Victoria College, University of Toronto
- 2010.8.25-2010.9.8 Volunteered for 2010 Shanghai Expo as a facilitator
- 2009-2010 Volunteer note taker for Accessibility Service at University of Toronto
- 2009-2010 Math tutor for MATB41H, MATB24H, STAB52H
- 2008.12 Volunteered as a facilitator during "Hello Allo Canada" Cultural Exchange Festival, Shanghai, China.
- 2007.5-2007.8 Volunteered at "Kong Jiang" Community Health Center, China.

Computer and Language Skills

- Computer Skills •Experienced with software development in R, Python (including Scipy & Numpy), SAS, Mathematica, and MATLAB.
- Languages •Fluent in English and Mandarin Chinese