

Tommy Khoo

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Education

- Since 2013 Dartmouth College, PhD in Mathematics
- 2010 – 2011 University of Oxford, MSc in Mathematics and the Foundations of Computer Science
- 2009 – 2010 University of London, London School of Economics External Study
(Short Course) Advanced Statistics: Distribution Theory, Distinction
(Short Course) Advanced Statistics: Statistical Inference, Distinction
- 2005 – 2009 University of London, London School of Economics External Study
BSc (Hons) in Mathematics and Economics, First Class

Awards

- London School of Economics External Study Scholarship, worth £25,000, to study MSc in Applicable Mathematics at the London School of Economics (2010).
- Academic Achievement Award (2006), Letter of Merit (2007), Singapore Institute of Management Top Student Award (2009).
- Top student for Advanced Linear Algebra (2009), Advanced Calculus (2009), Advanced Statistics: Statistical Inference (2010).

GRE Scores

Mathematics Subject 900 (97%), Verbal 161 (89%), Quant 164 (90%), Writing 4.0 (49%)

IT skills

- Scientific Computing – Python, C++, C, Matlab
- Web Development – Client/Server-side JavaScript, HTML/PHP, Web Databases

Others

- Founder and President of the Intercultural Society, Linacre College, Oxford University.
- 2013 Ball Committee, Web Development & Ticketing, Linacre College, Oxford University.
- Mathematics Tutor (2009 – 2010)
- Languages – English (first language), Conversational Mandarin

Research Experience

- MSc dissertation: “Information Theory and Multivariate Interactions”. (May – Aug 2011)
- Internship: Complex Agent-Based Dynamic Networks, CABDyN, University of Oxford. (Sept – Oct 2011)
- Research collaboration: “Efficient Algorithm for Simulating Epidemics on Large Networks”, with Doctor Thomas House, Mathematics Institute, University of Warwick. (Aug 2012 – On Going)
- Internship: Computer Laboratory, University of Cambridge, with Doctor Eiko Yoneki. (Mar 2013 – Sept 2013)

Research Interests

- Applied graph theory, network science, complex systems.
- Epidemiology, stochastic spreading on networks.
- Misc. topics: large datasets, algorithms, information theory, economics and finance.