

MINGJIE DAI

1st year Graduate, Biophysics, Harvard University
dai4@fas.harvard.edu

Education

- 2006-2010 Undergraduate and Master, Natural Sciences Tripos – Physics, Trinity College, **University of Cambridge**
First Class in all four years, ranking 4th (out of 550), 2nd, 2nd (150), 2nd.
GRE Physics: 990/990, Maths: 900/900. GRE General: Verb 630, Quant 800, Writing 5
Director of Studies: *Dr Zoran Hadzibabic*
- 2005-2006 First year Undergraduate, Basic Sciences Class, **Tsinghua University, China**
Average Grade 90
- 2005 Physics Training Camp for IPhO, **Nanjing University and Peking University, China**
- 2002-2005 High School, National Experimental Class of Science, No.2 Secondary School
Attached to East China Normal University, **Shanghai, China**
Class A in all subjects, ranking 1st.

Selected Additional Courses (outside Natural Sciences Tripos)

Mathematical Analysis, Advanced Algebra, Tsinghua University
Groups Rings and Modules, Algebraic Topology, Graph Theory, University of Cambridge

Recent Experiments and Research Experiences

- 2009 Building Nanostructures using DNA Origami, Supervisor *Dr Julian Huppert*
- 2009 Molecular, Biophysical and Evolutionary Analysis of Sender Receiver Tuning
in Acoustic Courtship of the Fruit Fly, Supervisor *Prof Thomas Duke*
- 2009 Assistant student, in Quantum Gases and Collective Phenomena Group

Selected Awards

- 2010 Part III Microsoft Research Prize, University of Cambridge
- 2008 BP IB Physics B Prize, University of Cambridge
- 2008 BP IB Mathematics Prize, University of Cambridge
- 2005 Gold Medal and Einstein Centennial Prize, ranking 4th, 36th International Physics
Olympiad
- 2005 Gold Medal, ranking 3rd, 6th Asian Physics Olympiad
- 2004 Third Prize, National Chemistry Competition of China
- 2002 First Prize, National Mathematics Competition of China
- 1999 Gold Medal, ranking 2nd, 7th National Hua Luogeng Mathematics Gold Cup

[scholarships]

- 2010-present Biophysics program scholarship, full coverage, Harvard University
- 2006-2010 Mainland Chinese Bursary, full cost, Trinity College, University of Cambridge
- 2005-2006 First Prize, New Students Scholarship, Tsinghua University
- 2003 Future Star of Science and Technology Scholarship, Shanghai

Other Academic Skills and Interests

Computing Skills: Familiar with Microsoft Office and some Adobe media production software,
have 3 years experience with programming in C/C++, Matlab

Other Academic Interests include: Neuroscience, Artificial Intelligence, Complexity Theory,
Fractal Geometry, etc.