Justin TOH

Birth Date:	23rd May, 1979
Citizenship:	Australian
Address:	Trinity College, Cambridge, CB2 1TQ, United Kingdom.
Phone:	07970 657 027
E-mail:	`jsst2@cam.ac.uk`

Education

Since Oct. 2001	**Trinity College, University of Cambridge, UK** **Doctoral Candidate in the Theoretical Chemistry** *Development and use of algorithms in computational chemistry programs to simulate chemical interactions and reactions. Three papers in preparation.*
Scholarhips Awarded	Trinity College External Research Studentship, Overseas Research Scholarship (UK Government), Cambridge Commonwealth Scholarship (Honorary) and University of Sydney Travelling Scholarship.
1997 - 2000	**University of Sydney, Australia** **B.Sc. (Advanced) with 1st Class Honours and University Medal** Weighted Average Mark of 92.7%. *Earned four subject prizes, and a place Dean's Honours List in each year. Honours in theoretical chemistry, majors in chemistry (double) and biochemistry.*
Scholarships Awarded	University of Sydney Alumni, Council of Education, Farrand and St Paul's College Foundation Scholarships.
1991 - 1996	**Sydney Grammar School, Australia** Tertiary Entrance Rank (A Level equivalent) of 99.95 – within top 0.05% of over 40 000 students in the state of NSW). *In top band of all subjects taken: 4U Maths, 3U Geography, 2U English, 2U Chemistry and 2U Physics.*

Employment history

2002 - 2005	Supervisor, Trinity College, Cambridge *Taught chemistry to undergraduate students.*
Feb. - Sep. 2001	**Associate, The Boston Consulting Group, Sydney** *Performed analysis and contributed to report on Foreign Direct Investment for New Zealand that shaped its Government's strategy.*
1997 - 2000	Tutor and Demonstrator at University of Sydney and Privately *Taught science at secondary school and undergraduate levels.*

Awards

2002 - 2004	Cambridge University Half-Blue (Judo)
2003	Gold medal, BUSA Judo Championships
2000	Best Honours Talk, 2nd RACI Physical/Theoretical Student Conference
1998	Exchange Program and Scholarship to Göteborg University, Sweden
1996	Bronze Medal, International Chemistry Olympiad, Moscow
	Finalist, BHP Science Awards (Nationwide competition for school students)

Offices

2003 - 2005 **Club Coach**, Cambridge University Judo Club
Licensed by the British Judo Association to teach classes.

2002 - 2003 **Men's Captain**, Cambridge University Judo Club
Organised training programs, coordinated the Club, and selected and lead teams to victory in the annual Varsity match against Oxford.

President, Cambridge University Australia and New Zealand Society
In charge of a committee of 12, responsible for the University's Antipodean society (400 members). Organised talks, sporting matches and social events.

Food Officer, Trinity College May Ball
Organised food with suppliers and caterers for a ball with over 2000 guests

Catering Officer, Trinity College BA (Graduate) Society
Member of College MCR committee- representing 350 graduate students.

2000 Vice-President, University of Sydney Judo Club
Founded a children's judo program for the local community.

Undergraduate Representative on University of Sydney Academic Board
Liased with University authorities and represented the interests of students.

1999 President, University of Sydney Science Society
Ran a large society (6000 members), providing services and social events for science students.

Publications

Toh J.S-S., Jordan M.J.T., Husowitz B.C. and Del Bene J.E., *Can proton-shared or ion-pair N-H-N hydrogen bonds be produced in uncharged complexes? A systematic ab initio study of the structures and selected NMR and IR properties of complexes with N-H-N hydrogen bonds*, J. Phys. Chem **105**, 10906-10914 (2001).

Jordan M.J.T., Toh, J.S-S., Del Bene J.E., *Vibrational averaging of NMR properties for an N-H-N hydrogen bond*, Chem. Phys. Lett., **346**, 288-292 (2001).

Toh J.S-S., Huang D.M., Lovell P.A. and Gilbert R.G., *Ab initio calculation of the rate coefficient for short-chain branching in free-radical polymerizations*, Polymer, **42**, 1915-1920, (2001).

Toh J.S-S., *Oysters as bioindicators of heavy metal pollution in Port Kembla Harbour*, Geography Bulletin, **28**, 20 (1996).

Languages

English (*Native*), French (*Competent*) and Spanish (*Basic*).

Interests

Judo Cambridge University Men's Team 2002 - 2004
1^{st} Dan (black belt) and coach.

Choral King's Voices, (King's College, Cambridge) Deputy 2001 - 2002
Chapel Choir (St Paul's College, Sydney) 1997 - 2000.

Referees

Dr Ali Alavi (Ph.D. Supervisor)	Mr Jean Khalfa
University Lecturer	Graduate Tutor
Trinity College	Trinity College
Cambridge CB2 1TQ	Cambridge CB2 1TQ
01223 762877	01223 338468
asa10@cam.ac.uk	jk118@cam.ac.uk