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# Brian Harrington

St. Cross College  
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## Education

### Oxford University

Oxford, United Kingdom

### *D.Phil in Computer Science*

October 2005 - Present

- Currently researching knowledge extraction and representation in semantic networks.
- Developing ASKNet software for automatically extracting knowledge from natural language text and representing that knowledge in a semantic network using artificial intelligence techniques.
- Expected Completion: May 2009.

### Oxford University

Oxford, United Kingdom

### *MSc. in Computer Science*

September 2005

- Masters Dissertation: Information Extraction in the Biological Domain.
- Completed courses in Information Retrieval, Computational Linguistics and Intelligent Systems.

### University of Toronto

Toronto, Canada

### *Honours BSc. in Computer Science*

May 2004

- Graduated with high distinction (GPA of 3.86/4) from Software Engineering specialist program.
- Received Minor Degree in Psychology.

## Academic Awards

- Canadian Centennial Scholarship (Canadian Centennial Scholarship Fund, September 2007)
- Doctoral Consortium Scholarship (Association for the Advancement of Artificial Intelligence & Association for Computing Machinery, March 2007)
- Clarendon Scholarship (Oxford University Press, September 2005)
- Gordon Cressy Student Leadership Award (University of Toronto, April 2004)
- 2004 Honours List (University of Toronto, April 2004)
- Gilchrist Prize in Science (University of Toronto, April 2003)
- 2003 Honours List (University of Toronto, April 2003)
- 2002 Honours List (University of Toronto, April 2002)
- 2001 Honours List (University of Toronto, April 2001)

## Presentations & Publications

### Journal Papers

- Harrington B. & Clark S. ASKNet: Creating and Evaluating Large Scale Integrated Semantic Networks. *International Journal of Semantic Computing*. Volume 2, Issue 3. February 2009.

### Conference Papers

- Harrington B. & Clark S. ASKNet: Creating and Evaluating Large Scale Integrated Semantic Networks. *Proceedings of the Second IEEE International Conference on Semantic Computing (IEEE-ICSC2008)*, Santa Clara, USA, 2008.
- Harrington B. & Clark S. ASKNet: Automated Semantic Knowledge Network. *Proceedings of the Twenty-Second Conference on Artificial Intelligence (AAAI-07)*, Vancouver, Canada, 2007.

## Presentations & Activities

- International Conference on Semantic Computing. August 2009. Publicity co-chair.
- Computational Linguistics UK & Ireland (CLUKI 09). March 2009. Programme committee member.
- Computational Linguistics UK (CLUK 08). March 2008. Conference organiser.
- AAAI-07/SIGART Doctoral Consortium. July 2007. Consortium member.
- Oxford University Computing Laboratory Student Conference. Received award: Best overall presentation

## Teaching & Supervising

### MSc. Supervision

- Jason Choi. MSc. Dissertation. Oxford University Computing Laboratory. "Integrating Database & Information Retrieval: Towards a Generic Platform". Co-Supervised with Professor Luke Ong. (March - September 2007).
- Mariano Beguerisse. Special Project. Oxford University Computing Laboratory & Oxford Centre for Industrial and Applied Mathematics. "Topic Identification and Segmentation in Spanish Newspaper Documents". (Jan - April 2008).

### Keble College, Oxford

Oxford, United Kingdom

*College Lecturer*

October 2008 - Present

- Held weekly tutorial sessions with undergraduate students in college to supplement information provided in course lectures.
- Graded and reviewed homework assignments in preparation for examinations.
- Member of Sr. common room.

### Oxford University

Oxford, United Kingdom

*Teaching Assistant & Demonstrator*

October 2005 - Present

- Held weekly class sessions for the MSc. Intelligent Systems, Computational Linguistics, Machine Learning, Language Processing and Information Retrieval Courses.
- Conducted practical programming sessions for MSc. level courses.
- Graded and reviewed homework assignments in preparation for examinations.

### University of Toronto

Toronto, Canada

*Teaching Assistant*

January 2003 - August 2004

- Held weekly tutorial sessions for Microprocessor Systems, and Introduction to Computer Science BSc. level courses.
- Prepared and marked assignments and tests, consulted with professors on lecture material and examinations.

## Professional Employment

### US Army - Space & Missile Defence Command/ISIS Innovations

Oxford, United Kingdom

*Consultant*

November 2008 - Present

- Developing demonstration software for very large scale information and data management.
- Assessing and analysing software for natural language processing and question answering.

### IBM

Markham, Canada

*Software Developer (Co-op)*

September 2003 - January 2004

- Developed Code using IBMs Websphere Studio Application Developer for use on IBMs public internet site.
- Designed and Implemented user guide for content management tools for ibm.com.
- Found and repaired defects in code for public site and site management tools.

**Canadian Imperial Bank of Commerce** *Systems Developer (Co-op)*  
Toronto, Canada September 2002 - January 2003

- Created software for maintenance of Tandem online transaction processing system.
- Developed software packages through rigorous design, testing and implementation life-cycle constraints.
- Wrote scripting programs to automate daily operations in order to increase productivity.

**Canadian Imperial Bank of Commerce** *System Test Analyst*  
Toronto, Canada May 2001 - September 2001

- Designed and implemented regression testing strategy to verify accuracy of financial transaction tools.
- Tested and verified several applications, including financial database systems, customer service software, and financial transaction software.

**Volunteer  
Experience**

**St. Cross College** *Committee Officer (Elected)*  
Oxford, United Kingdom January 2005 - Present

- Held the following positions: Social Secretary, Welfare Officer, Health & Safety Officer, Sports & Societies Officer.
- Planned and executed annual Summer Ball for all college members, including dinner, live music and performances, decorations, and audio/video presentations.
- Organized the college orientation week to welcome all incoming students including informational sessions, college & city tours and social events.
- Solicited student feedback on the college's performance and addressed concerns raised by students with appropriate college committees.
- Held various social events throughout the year including college dinners, parties, music festivals and sporting activities.

**University of Toronto** *Student Welfare Seminar Organizer*  
Toronto, Canada 2003 - 2004

- Developed seminars on student welfare topics including Drug & Alcohol Awareness, Dealing with Depression, Balancing Academics and Social Life at University and Maintaining Healthy Habits for Undergraduates.
- Held seminars and workshops for student groups ranging from 10 - 200 students.
- Worked in conjunction with University Health and Wellness Department and The Student Life Education Company to develop balanced and informative programmes.

**Canadian Cystic Fibrosis Foundation** *Shinerama Chair*  
Toronto, Canada May 2004 - October 2004

- Developed and co-ordinated student based fundraiser to collect over \$15,000(CAD).
- Organized over 1000 students in a full day charity event.
- Held several charity fundraisers including parties, concerts, food retailing, and carnivals.
- Represented University of Toronto at regional and national conferences.

**University of Toronto** *Orientation Senior Leader*  
Toronto, Canada 2001 - 2004

- Organized events, meals, and transportation for 600-1200 students for 5 days.
- Co-ordinated a team of 100-200 Orientation Leaders in training, logistics, and execution of the weeks activities.