

Edward T. Grefenstette

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Education

DPhil (PhD) Computer Science, Balliol College, University of Oxford, Planned 2012.

- Working on improving semantic similarity measures for sentences of natural language.
- Supervised by Stephen Pulman and Bob Coecke.

MSc Computer Science, Balliol College, University of Oxford, September 2009.

- Obtained with Distinction on coursework and dissertation.
- Dissertation: “Analysing Document Similarity Measures”, supervised by Stephen Pulman.
- Took courses in Intelligent Systems, Computational Linguistics, Information Retrieval, Lambda Calculus, Machine Learning.
- Audited courses in Functional Programming, Category Theory, Quantum Computing.

MLitt Philosophy, University of St. Andrews, September 2008.

- Thesis: “Reviving Mathematical Intuition: Steps Towards a ‘Neo-Poincaréan’ Philosophy of Mathematics”, supervised by Peter Clark.
- Took courses in Advanced Mathematical Logic, Philosophy of Mathematics, History of Analytic Philosophy.

BSc Physics and Philosophy, University of Sheffield, July 2007.

- Graduated with First Class Honours (*Summa Cum Laude*) in both subjects.
- Specialised in Philosophy of Language, Philosophy of Mind, Philosophy of Mathematics, Logic.
- Autumn Dissertation: “On an instrumentalist reading of Hilbert: a critique of Detlefsen”, supervised by Bob Hale.
- Spring Dissertation: “Does Blackburn’s quasi-realism threaten the foundations of Wright’s minimalism?”, supervised by Andrew Howat.
- Final year Physics Research Project: Designed a 10-lecture course on Quantum Computing.
- Final year Physics Research Paper: “Is String Theory Science?”

Baccalauréat OIB, CSI Europole, International High School, September 2003.

- Scientific Series (‘Série S’): heavy emphasis on Mathematics, Physics & Chemistry, and Biology & Earth sciences.
- Further specialisation in Physics & Chemistry in final year.

IGCSE (Language, Literature), CSI Stendhal, International High School, September 2001.

Brevet International des Colleges, CSI Stendhal, International High School, September 2000.

Scholarships, Prizes & Grants

Enhanced EPSRC Stipend, awarded by Oxford University Computing Laboratory, October 2010.

- Supplement to EPSRC DTA awarded in 2009.
- Awarded progressively, on the basis of good academic progression.

EPSRC Doctoral Training Account Scholarship, awarded by Oxford University Computing Laboratory, on behalf of Engineering and Physical Sciences Research Council, October 2009.

- Duration of 3.5 years, full scholarship (college and university fees, stipend, travel allowance).
- Awarded on the basis of academic merit.

Bishop Warner Bursary, awarded by Balliol College, Oxford, November 2008.

Books

Heunen, C., Sadrzadeh, M. and Grefenstette, E. (eds.) *Compositional Methods in Physics and Linguistics* (working title), Oxford University Press, Expected 2012.

Book Chapters

Grefenstette, E., Sadrzadeh, M., Clark, S., Coecke, B. and Pulman, S. “Concrete Compositional Sentence Spaces,” to appear in *Computing Meaning, Vol. 4* (Bunt, H., Bos, J. and Pulman, S. eds.), Springer, Expected 2012.

Refereed Conference Papers

Grefenstette, E. and Sadrzadeh, M. “Experimenting with transitive verbs in a DisCoCat,” *Proceedings of the GEMS 2011 Workshop on GEometrical Models of Natural Language Semantics*, 2011.

Grefenstette, E. and Sadrzadeh, M. “Experimental Support for a Categorical Compositional Distributional Model of Meaning,” *Proceedings of the 2011 Conference on Empirical Methods in Natural Language Processing*, 2011.

Sadrzadeh, M. and Grefenstette, E. “A Compositional Distributional Semantics Two Concrete Constructions and some Experimental Evaluations,” *Lecture Notes in Computer Science: Quantum Interaction*, Springer, 2011.

Grefenstette, E., Sadrzadeh, M., Clark, S., Coecke, B. and Pulman, S. “Concrete Sentence Spaces for Compositional Distributional Models of Meaning”, *Proceedings of the 9th International Conference on Computational Semantics (IWCS 2011)*, 2011.

Invited Talks

CIMEC Research Seminar, University of Trento, Rovereto, “DisCoCat: A (Cat)egorical Framework for (Dis)tributional (Co)mpositional semantics,” June 23rd, 2011.

Mavir Seminar, UNED, Madrid, “Empirical Validation of Compositional Distributional Models of Meaning,” April 28th, 2011.

NLP Seminar, University of Sheffield Department of Computer Science, Sheffield, “Categorical Compositionality for Distributional Semantics, Without Tears,” April 7th, 2011.

NLIP Seminar, University of Cambridge Computer Laboratory, Cambridge, “Categorical Compositionality for Distributional Semantics” February 25th, 2011.

Flowin’Cat 2010, Oxford, “Concrete Sentence Spaces,” October 31st, 2010.

Balliol Philosophy Circle, Oxford, “Making Sense of Meaning,” May 19th, 2010.

University of Dundee Philosophy Society, Dundee, “Expressivism and the problem of Truth,” November 27th, 2007.

Refereed Conference/Workshop Talks

ESSLLI '10, Copenhagen, "Concrete Compositional Sentence Spaces," August 18th, 2010.

BUPC '07, St Catharine's College, Cambridge, "Is Blackburn's quasi-realism a suitable response to the Frege-Geach problem?" September 16th, 2007.

LUPC '07, London School of Economics, London, "Rise and fall of Gricean implicature," March 17th, 2007.

BUPC '06, St John's College, Durham, "Is language a matter of contingency or convention?" September 8th, 2006.

BUPC '05, St John's College, Durham, "From Turing to Minsky: epistemological problems of artificial intelligence, and metaphysical solutions," September 24th, 2005.

Conference Organisation & Professional Activities

Reviewer, Semantics Track, 13th Conference of the European Chapter of the Association for computational Linguistics, November–December 2011.

Reviewer, "Doing Philosophy: A Practical Guide for Students", Higher Education Academy PRS Subject Centre, Continuum Press, April 2008.

Conference Chair, BUPS Summer Conference, University of Oxford Faculty of Philosophy, June 2007.

Conference Chair, BUPS Skills Conference, St John's College, Durham, March – April 2007.

Conference Chair, BUPS Winter Conference, St Catharine's College, Cambridge, December 2006.

Principal Organiser, British Undergraduate Philosophy Conference, St John's College, Durham, September 2006.

Organisation Committee, BUPS Skills Conference, University of Nottingham, April 2006.

Teaching Experience

Class Tutor, Computational Linguistics, Oxford University Department of Computer Science (DCS), October 2011 – Present.

Practical Demonstrator, Intelligent Systems, Oxford University DCS, October 2011 – Present.

Class Tutor, Information Retrieval, Oxford University Computing Laboratory (OUCL), January 2011 – April 2011.

Practical Demonstrator, Information Retrieval, OUCL, January 2011 – April 2011.

Practical Demonstrator, Reasoning about Information Update, OUCL, January 2011 – April 2011.

College Tutor, Object-Oriented Programming, Balliol College, Oxford, October 2010 – December 2010.

Class Tutor, Computational Linguistics, OUCL, October 2010 – December 2010.

Teaching Assistant, Information Retrieval, OUCL, January 2010 – March 2010.

Practical Demonstrator, Intelligent Systems II, OUCL, January 2010 – March 2010.

Private Tutor, PPE Prelim Formal Logic. Oxford, United Kingdom, April 2009 – July 2009.

English Language Teacher, Kokusai Eiken Center, International School of Sacred Heart, Tokyo, Japan, July 2007 – August 2007.

Private Tutor, French, Mathematics. Sheffield, United Kingdom, November 2004 – July 2006.

Assistant English Language Teacher, Kokusai Eiken Center, St. Mary's International School, Tokyo, Japan, July 2003 – August 2003 and July 2005 – August 2005.

Positions & Responsibilities

Computer Science Tutor, Hertford College, September 2011 – Present.

College Lecturer, Hertford College, September 2011 – Present.

Peer Supporter, Balliol College, October 2010 – Present.

Balliol Research Committee Member, July 2010 – Present.

Balliol MCR Committee Member, May 2009 – June, 2010.

Holywell Manor Bar Manager, May 2009 – June 2010.

Higher Education Academy PRS Subject Centre Advisory Board Member, September 2006 – June 2007.

British Undergraduate Philosophy Society Chair, September 2006 – June 2007.

British Undergraduate Philosophy Society Committee Officer, February 2006 – June 2007.

Programming

- Proficient in C, Python.
- Some knowledge of C++, Java, Prolog, Haskell.

Personal

Birth Date: October 7th 1985, Chambray-les-Tours, France. US & French Citizen.

Fluent in French & English. Some knowledge of Italian (5 years' study).

Sang in Balliol College Chapel Choir, October 2009 – Present. Sports: Squash, Fencing, Aikido, Kendo, Cricket (Balliol MCR team: 2009 – Present), Rowing (BCBC: Michaelmas 2009 – Present).

Spent four summers in Japan (2002, 2003, 2005, 2007).

Organised Wittgenstein reading groups in Sheffield (2007) and in St. Andrews (2007–2008).

Gap Year 2003–2004 spent attending 2nd and 3rd year philosophy classes at Université Pierre-Mendès-France (Grenoble II), Grenoble, France.

References available upon request.

Latest revision: March 20, 2012.