

C. Paul Cook

CONTACT INFORMATION

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RESEARCH INTERESTS

(Please note, research statement available on request)
My research in computational linguistics focuses on linguistically-motivated statistical methods for unsupervised learning of lexical (word-level) information that support adaptable and extendable natural language processing systems.

EDUCATION

University of Toronto, Toronto, Canada
Ph.D. in Computer Science: to be awarded November 2010
M.Sc. in Computer Science: November 2006
University of British Columbia, Vancouver, Canada
B.Sc. in Computer Science: May 2004

FELLOWSHIPS AND SCHOLARSHIPS

MITACS Elevate Postdoctoral Fellowship \$55,000, September 2010–August 2011
Dictionary Society of North America Award for Research in Lexicography
\$2,500, January 2009
Natural Sciences and Engineering Research Council of Canada
Post Graduate Scholarship (PGS-D), \$42,000 (\$21,000/year), May 2008–April 2010
Ontario Graduate Scholarship
\$15,000, May 2007–April 2008
Natural Sciences and Engineering Research Council of Canada
Post Graduate Scholarship (PGS-M), \$17,300, May 2005–April 2006
University of British Columbia Undergraduate Scholarship Program
\$2,500 per academic year, September 1999–April 2000 and September 2002–April 2004

PUBLICATIONS

JOURNAL ARTICLES

Paul Cook and Suzanne Stevenson. Automatically identifying the source words of lexical blends in English. 2010. *Computational Linguistics*. 36(1):129–149.

Afsaneh Fazly, Paul Cook, and Suzanne Stevenson. 2009. Unsupervised type and token identification of idiomatic expressions. *Computational Linguistics* 35(1):61–103.

PEER- REVIEWED CONFERENCE AND WORKSHOP PAPERS

Paul Cook and Suzanne Stevenson. No sentence is too confusing to ignore. In *Proceedings of the ACL 2010 Workshop on NLP and Linguistics: Finding the Common Ground*, pages 61–69, Uppsala, Sweden.

Paul Cook and Suzanne Stevenson. Automatically identifying changes in the semantic orientation of words. In *Proceedings of the 7th International Conference on Language Resources and Evaluation*, pages 28–34, Valletta, Malta.

Paul Cook and Suzanne Stevenson. 2009. An unsupervised model for text message normalization. In *Proceedings of the NAACL HLT 2009 Workshop on Computational Approaches to Linguistic Creativity*, pages 71–78, Boulder, Colorado.

Paul Cook, Afsaneh Fazly, and Suzanne Stevenson. 2008. The VNC-Tokens Dataset. In *Proceedings of the LREC Workshop: Towards a Shared Task for Multiword Expressions (MWE 2008)*, pages 19–22, Marrakech, Morocco.

Paul Cook and Suzanne Stevenson. 2007. Automagically inferring the source words of lexical blends. In *Proceedings of the Conference of the Pacific Association for Computational Linguistics (PACLING 2007)*, pages 289–297, Melbourne, Australia.

Paul Cook, Afsaneh Fazly, and Suzanne Stevenson. 2007. Pulling their weight: Exploiting syntactic forms for the automatic identification of idiomatic expressions in context. In *Proceedings of the ACL Workshop on A Broader Perspective on Multiword Expressions (MWE 2007)*, pages 41–48, Prague, Czech Republic.

Paul Cook and Suzanne Stevenson. 2006. Classifying particle semantics in English verb-particle constructions. In *Proceedings of the COLING/ACL Workshop on Multiword Expressions: Identifying and Exploiting Underlying Properties (MWE 2006)*, pages 45–53, Sydney, Australia.

THESES

Paul Cook. 2010. *Exploiting linguistic knowledge to infer properties of neologisms*. Ph.D. thesis, Department of Computer Science, University of Toronto.

Paul Cook. 2006. *Automatically Classifying English Verb-Particle Constructions by Particle Semantics*. M.Sc. thesis, Department of Computer Science, University of Toronto.

WORKSHOP
PROCEEDINGS

Paul Cook and Anna Feldman, editors. 2010. *Proceedings of the NAACL HLT 2010 Second Workshop on Computational Approaches to Linguistic Creativity*, Los Angeles, California.

TEACHING

(Please note, teaching statement available on request)

Teaching assistantships

- ◇ CSC104h The Why and How of Computing
- ◇ CSC108h Introduction to Computer Programming
- ◇ CSC120h Computer Science for the Sciences
- ◇ CSC165h Mathematical Expression and Reasoning for Computer Science
- ◇ CSC207h (and CSCB07 at University of Toronto Scarborough) Software Design
- ◇ CSC209h Software Tools and Systems Programming
- ◇ CSC300h Computers and Society
- ◇ CSC2501h Computational Linguistics

Responsibilities as a teaching assistant

- ◇ Giving lectures to classes of approximately 60 students
- ◇ Teaching tutorial sections of 15–30 students
- ◇ Creating tutorial lesson plans for other TAs
- ◇ Working one-on-one with students in computer labs
- ◇ Grading assignments and exams

Computing Insights

Teaching assistant for a week-long summer program at the University of Toronto for high school students interested in computer science

University of Toronto Teaching Assistant Training Program

In April, 2005 I completed the University of Toronto Teaching Assistant Training Program which involved attending a series of five seminars on teaching skills and a formal teaching evaluation.

EMPLOYMENT

Laboratory for Computational Intelligence, Department of Computer Science, University of British Columbia, May–August 2004

- ◇ Supervisor: Giuseppe Carenini
- ◇ Research assistant working on automatic text summarization

Fraunhofer Research Institute Darmstadt, Germany, May–August 2003

Supervisor: Stephen Wolthusen

Participated in the design, implementation, and testing of an automatic theorem prover

Volvo Technology Gothenburg, Sweden, June–November 2002

Supervisor: Ingemar Magnusson

Responsible for the design, implementation and testing of a graphical user interface for custom scientific software

MacDonald Dettwiler and Associates Richmond, Canada, January–August 2001

Supervisor: Stephen Oldham

Implementation and testing of control software for the Canadarm2, a key component of the International Space Station

ACADEMIC
SERVICE

Co-organizer of the NAACL HLT 2010 Workshop on Computational Approaches to Linguistic Creativity (CALC-10—in collaboration with Anna Feldman)

Program committee membership

- ◇ Association for Computational Linguistics 2010 (ACL 2010)
- ◇ COLING 2010 Workshop on Multiword Expressions (MWE 2010)
- ◇ Empirical Methods in Natural Language Processing 2009 (EMNLP 2009)
- ◇ NAACL HLT 2009 Student Research Workshop
- ◇ Thirteenth Conference on Natural Language Learning (CoNLL 2009)
- ◇ NAACL HLT 2007 Workshop on Computational Approaches to Figurative Language
- ◇ Joint Meeting of the Conference on Empirical Methods in Natural Language Processing and the Conference on Natural Language Learning (EMNLP-CoNLL 2007)

Reviewed an article for the journal *Language Resources and Evaluation*

Reviewed papers for NESCAI 2010: The Fourth North East Student Colloquium on Artificial Intelligence

UNIVERSITY
SERVICE

Graduate Affairs Committee Department of Computer Science, University of Toronto, September 2006–September 2007

I represented graduate students on a committee composed primarily of faculty members which discussed issues pertaining to the graduate program.

Graduate Student's Union University of Toronto, September 2005–May 2007

I represented the Department of Computer Science at the Graduate Student's Union council meetings to discuss issues relevant to graduate students at the University of Toronto.

Student Mentor Program Department of Computer Science, University of Toronto, September 2005

I ran a program in which each incoming graduate student was assigned a graduate student currently in the department as their mentor.

HOBBIES AND
INTERESTS

I enjoy downhill skateboarding and baking bread. I love travelling and aspire to see the world.