

Dragos Stefan Munteanu - Curriculum Vitae

Contact Information

Current position: Ph.D. Candidate in the Department of Computer Science, University of Southern California
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Education

University of Southern California 2001-present
Ph.D. Candidate, Computer Science
Thesis: Exploiting Comparable Corpora
Adviser: Daniel Marcu
Committee: Kevin Knight, Eduard Hovy, Paul Rosenbloom, Shrinanth Narayanan

University of Iowa 1998–2001
M.S. in Computer Science
Thesis: Incremental Computation and its Applications to Language Processing
Adviser: Teodor Rus

University of Bucharest, Romania 1993–1997
B.Sc. in Computer Science

Work Experience

Language Weaver May 2005 - August 2005
Summer intern

University of Southern California August 2001-present
Research Assistant

- Alignment and Processing of Comparable Corpora, with Prof. Daniel Marcu
- Machine Translation: the ReWrite project, with Prof. Kevin Knight and Daniel Marcu

University of Iowa August 1999 - May 2001
Research Assistant

- Component-Based Language Processing, Prof. Teodor Rus
- The HANK Virtual Driving Environment, Prof Joseph Kearney
- The Cellular Automata Project, Prof Jarkko Kari

University of Iowa August 1998 - August 2000
Teaching Assistant

- Course instructor for 22C:113 “Programming With Java”
- Assistant for 22C:016, “Computer Science I”

Omnis Group, Romania June 1997 - August 1998

Software developer

Professional Activities

Reviewer for:

- ACM Transactions on Speech and Language Processing (TSLP 2005)
- International Joint Conference on Natural Language Processing (IJCNLP 2005)
- Conference on Intelligent Text Processing and Computational Linguistics (CICLING 2006)
- The International Conference on Computational Linguistics and The Annual Meeting of the Association for Computational Linguistics (COLING-ACL 2006)
- Conference on Empirical Methods in Natural Language Processing (EMNLP 2006)

Selected *outstanding reviewer* for COLING-ACL 2006

Research Interests

Natural Language Processing: machine translation, comparable corpora, automatic summarization, information extraction

Academic Awards and Fellowships

- Gerard P. Weeg Scholarship (2000) at University of Iowa
- Undergraduate Fellowship of Merit (1993-1997) at University of Bucharest

Publications

Refereed Journals

- **Dragos Stefan Munteanu**, Daniel Marcu. *Improving Machine Translation Performance by Exploiting Non-parallel Corpora*. 2005. *Computational Linguistics*, 31(4):477-504

Refereed Conference Proceedings

- **Dragos Stefan Munteanu**, Daniel Marcu. *Extracting Parallel Sub-Sentential Fragments from Non-Parallel Corpora*. 2006. In Proceedings of the 21st International Conference on Computational Linguistics and 44th Annual Meeting of the Association for Computational Linguistics (COLING/ACL 2006), Sydney, Australia.
- Liang Zhou, Chin-Yew Lin, **Dragos Stefan Munteanu**, and Eduard Hovy. *ParaEval: Using Paraphrases to Evaluate Summaries Automatically*. 2006. In Proceedings of the Human Language Technology Conference - North American chapter of the Association for Computational Linguistics annual meeting (HLT/NAACL-2006), New York City, NY.
- **Dragos Stefan Munteanu**, Alexander Fraser, Daniel Marcu. *Improved Machine Translation Performance via Parallel Sentence Extraction from Comparable Corpora*. 2004. In Proceedings of the Human Language Technology and North American Association for Computational Linguistics Conference (HLT/NAACL 2004), Boston, MA.
- **Dragos Stefan Munteanu**, Daniel Marcu. *Processing Comparable Corpora With Bilingual Suffix Trees*. 2002. In Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP 2002), Pennsylvania, PA

Invited/Non-Refereed Papers

- Hal Daume III, Abdessamad Echihabi, Daniel Marcu, **Dragos Stefan Munteanu**, Radu Soricut. *GLEANS: A Generator of Logical Extracts and Abstracts for Nice Summaries*. 2002. In Proceedings of the Document Understanding Conference (DUC-2002), Philadelphia, PA
- Teodor Rus, Robert Kooima, Radu Soricut, **Dragos Stefan Munteanu**, James Hunsaker. *A Component-Based Language Processing Environment*. 1999. Midwest Society for Programming Languages and Systems Workshop. Illinois Institute of Technology, Chicago, IL.

Patent Applications

- **Dragos Stefan Munteanu** and Daniel Marcu. Parallel Text Discovery System. Submitted to the United States Patent and Trademark Office 2003
- **Dragos Stefan Munteanu** and Daniel Marcu. Bitext extraction from comparable corpora. Submitted to the United States Patent and Trademark Office 2005

Extracurricular Activities

Tennis, basketball, soccer, windsurfing, skiing, skating.

Citizenship

Romanian citizen. Studied and worked in the U.S. under F-1 student visa.

References

Daniel Marcu

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