

Veselin Stoyanov

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RESEARCH INTEREST

Sentiment Analysis, Coreference Resolution, Information Extraction, Natural Language Processing, Machine Learning, Artificial Intelligence, Cognitive Science, Computational Linguistics, Psychology.

EDUCATION

Cornell University 2002-present
Ithaca, NY PhD Candidate, Computer Science
Advisor: Prof. Claire Cardie. Expected graduation: Summer 2009.

Cornell University 2005
Ithaca, NY Master of Science, Computer Science

University of Delaware 2002
Newark, DE Honors B.Sc., with Distinction, Computer Science
Graduated Summa Cum Laude; GPA: 4.00/4.00. Minors in Mathematics and Cognitive Science.

ACADEMIC HONORS

NSF Graduate Research Fellowship 2004-2007

Outstanding Teaching Assistant Award 2003
Awarded by Cornell University's Computer Science Department.

Honorable Mention 2002
Computing Research Association's (CRA) Outstanding Undergraduate Award.

CIS Outstanding Senior Award 2002
Provided by Unisys Corp. and awarded to a University of Delaware CIS student in recognition of outstanding achievements in academic leadership.

Robert J. DiPietro Award 2002
Awarded to a student in Linguistics or Cognitive Science at the University of Delaware for academic excellence and leadership.

Alumni Honors Day Book Award 2001
Awarded to a sophomore or junior in each of the Univ. of Delaware's six colleges who has a sincere desire for knowledge and has participated in extracurricular activities designed to help fellow students achieve academic success.

CIS Outstanding Student Award 2001
Provided by Unisys Corp. grant and awarded to a Univ. of Delaware CIS student in recognition of outstanding achievements in academic leadership.

CIS Outstanding Sophomore Award 2000
Awarded in recognition of exemplary freshman year academic performance to a Univ. of Delaware CIS sophomore. Provided by a Unisys Corp. grant.

Rodney Sharp Scholarship 2000
Awarded for academic excellence to a University of Delaware student.

Honors Program Scholarship

2000

Awarded by the University of Delaware's Honors Program for academic excellence and contributions to the development of the program.

PROFESSIONAL EXPERIENCE

Jodange Inc.

Yonkers, NY

Involved from the beginning in this sentiment analysis start-up. Worked part-time on a practical implementation of opinion extraction system.

Senior Software Developer

06/2007–01/2009

Nara Institute of Science and Technology

Nara, Japan

Worked under the supervision of Prof. Yuji Matsumoto in the Computational Linguistics Lab.

Visiting Student

Summer 2005

Quantum Leap Innovations

Newark, DE

Developed an information extraction application using machine learning techniques.

Software Development Intern

Summer 2003

Morgan Stanley IM

West Conshohocken, PA

Part-time application developer in the fixed income pricing group. Responsible for the full production cycle of small software projects.

Application Developer

9/2001–8/2002

University of Delaware, Department of Computer and Information Science

Newark, DE

Performed research in the field of region-based, profile-guided compiler optimization under the supervision of Prof. Lori Pollock.

Science and Engineering Scholar

Summer 2000

Morgan Stanley IM

West Conshohocken, PA

Developed applications for the use of the fixed income group of Investment Management.

IT Intern

Summer 2001

PUBLICATIONS

PhD Thesis: Opinion Summarization: Automatically Creating Useful Representations of Opinions Expressed in Text. *Expected Summer 2009.*

Senior Honors Thesis: Investigating Partial Redundancy Elimination for Explicitly Parallel Programs. *University of Delaware, 2001.*

CONFERENCE PUBLICATIONS

Veselin Stoyanov and Claire Cardie. “**Generating and Evaluating General-Purpose Opinion Summaries.**” In Submission, 2009.

Veselin Stoyanov, Claire Cardie, Nathan Gilbert and Ellen Riloff. “**Conundrums in Coreference Resolution: Making Sense of the State of the Art.**” To appear in ACL, 2009.

Veselin Stoyanov and Claire Cardie. “**Topic Identification for Fine-Grained Opinion Analysis.**” COLING, 2008.

Veselin Stoyanov and Claire Cardie. “**Annotating Topics of Opinions.**” LREC, 2008.

Swapna Somasundaran, Theresa Wilson, Janyce Wiebe and *Veselin Stoyanov*. “**QA with Attitude: Exploiting Opinion Type Analysis for Improving Question Answering in On-line Discussions and the News.**” International Conference on Weblogs and Social Media (ICWSM), 2007.

Veselin Stoyanov and Claire Cardie. “**Partially Supervised Coreference Resolution for Opinion Summarization through Structured Rule Learning.**” EMNLP, 2006.

Veselin Stoyanov, Claire Cardie and Janyce Wiebe. “**Multi-Perspective Question Answering Using the OpQA Corpus.**” EMNLP-HLT, 2005.

Tom Way, Ben Breech, Wei Du, *Veselin Stoyanov*, and Lori Pollock. “**Using Path-spectra-based Cloning in Region-based Optimization for Instruction-level Parallelism.**” ISCA 14th International Conference on Parallel and Distributed Computing Systems, (ISCA PDCS), 2001.

WORKSHOP PUBLICATIONS

Eric Breck, Yejin Choi, *Veselin Stoyanov*, and Claire Cardie. “**Cornell System Description for the NTCIR-6 Opinion Task.**” The 6th NTCIR Workshop Meeting, 2007.

Veselin Stoyanov and Claire Cardie. “**Toward Opinion Summarization: Linking the Sources.**” COLING/ACL2006 Workshop on Sentiment and Subjectivity in Text, 2006.

Veselin Stoyanov, Claire Cardie, Diane Litman, and Janyce Wiebe. “**Evaluating an Opinion Annotation Scheme Using a New Multi-Perspective Question and Answer Corpus.**” The 2004 AAAI Spring Symposium on Exploring Attitude and Affect in Text: Theories and Applications, 2004.

MANUSCRIPTS IN PREPARATION

Veselin Stoyanov, Claire Cardie, Nathan Gilbert and Ellen Riloff. “**Description of Reconcile, a Coreference Resolution Research Platform.**” In Preparation.

Veselin Stoyanov, Claire Cardie, Nathan Gilbert and Ellen Riloff. “**A Large-Scale Comparisson of Coreference Resolution Approaches.**” In Preparation.

OTHER TECHNICAL PRESENTATIONS

Condundrums in Coreference Resolution: Making Sense of the State of the Art. Columbia University NLP Seminar, March 2009.

Opinion Summarization: Creating Useful Representations of Opinions in Text. Columbia University NLP Seminar, November 2007. Cornell AI Seminar, April 2009.

Toward Opinion Summarization: Linking the Sources. Cornell AI Seminar, September 2006.

Extracting and Summarizing Opinions from Text. IBM Tokyo Research Lab, July 2006. Tokyo Institute of Technology, July 2006.

Opinion Extraction. Nara Institute of Science and Technology, Computational Linguistics Lab, August 2005.

PROFESSIONAL SERVICE

Program Committee:

1st International CIKM Workshop on Topic-Sentiment Analysis for Mass Opinion Measurement, 2009.

Reviewer:

ACL-IJCNLP 2009. Student Research Workshop at NAACL-HLT09.

ACL 2008.

EMNLP 2007.

COLING/ACL 2006.

COLING/ACL 2006 Workshop on Sentiment and Subjectivity in Text.

EMNLP 2006.

AAAI Spring Symposium on Exploring Attitude and Affect in Text: Theories and Applications (AAAI-EAAT 2004).

Organizer: NLP Summer Reading Group, Cornell University, Summer 2004.

TEACHING EXPERIENCE

GUEST LECTURER

CS674: Natural Language Processing Spring 2005
Cornell University, Computer Science Dept.
Lecture on Theories of Syntax.

CS472: Foundations of Artificial Intelligence Fall 2004
Cornell University, CS Department.
Lecture on Machine Learning – SVM's, bagging, and boosting.

TEACHING ASSISTANT

CS474: Intro to Natural Language Processing Spring 2006
Cornell University, CS Department.

CS412: Intro to Compilers and Translators Spring 2005
Cornell University, CS Department.

CS430: Information Retrieval Fall 2004
Cornell University, CS Department.

CS412: Intro to Compilers and Translators Spring 2003
Cornell University, CS Department.

CS100M: Introduction to Computer Science Fall 2002
Cornell University, CS Department.

CGSC 270: Introduction to Cognitive Science Fall 2001
University of Delaware, Cognitive Sc. Department.

CISC 101: Introduction to Computer Science Winter 2001
University of Delaware, CIS Department.

CISC 105: General Computer Science Fall 2000
University of Delaware, CIS Department.

REFERENCES

Prof. Claire Cardie
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Cornell University
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Tel: (607) 255-9206
email: cardie@cs.cornell.edu

Prof. Ellen Riloff
School of Computing
University of Utah
Salt Lake City, UT
Tel: (801) 581-7544
email: riloff@cs.utah.edu

Prof. Lillian Lee
Dept. of Computer Science
Cornell University
Ithaca, NY
Tel: (607) 255-8119
email: llee@cs.cornell.edu

Prof. Thorsten Joachims
Dept. of Computer Science
Cornell University
Ithaca, NY
Tel: (607) 255-1372
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Additional academic, professional and personal references available upon request.