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Am Tatzend 2, D-07745 Jena, GERMANY Tel. +1-903-326-3454 zollmann@cs.cmu.edu

Speci	alties	
	Machine learning, natural language processing	(esp. parsing and statistical machine translation), computational logic
Educa	tion	
Carneg	ie Mellon University	since 2004
_	gh, U.S.A.	
	Ph.D. candidate; Language Technology Institut	e, School of Computer Science
	Advisors: Dr. Stephan Vogel and Dr. Alex Waib	·
	Working mainly on synchronous-grammar base	
	Teaching assistant in Ph.D. level courses "Mac	hine Learning" and "Inventing the Future of Services"
Univers	sity of Amsterdam	2002 - 2004
Institute	e for Logic, Language and Computation	
The Net	therlands	
	Enrolled in the Graduate Program in Logic as a	Master of Science student
	Degree: Master of Science, grade 9.3 – with ho	nors – (range of grading scheme: 0-10), ECTS grade A
	Master Thesis (domain: statistical natural lange	uage processing)
	Title: A Consistent and Efficient Estimator for the	e Data-Oriented Parsing Model
	Advisors: Dr. Khalil Sima'an and Dr. Detlef Pres	cher
Technic	cal University of Dresden	1999 - 2000, 2001 - 2002
German	ny	
	Study of Computer Science with secondary sub	ject Mathematics
	Degree: Vordiplom; grade 1.2 (range 1-5, whe	re 1.0 best); ECTS grade A (ranked 2 <sup>nd</sup> amongst ca. 450 students)
Univers	sity of Sheffield	2000 / 2001
United k	Kingdom	
	Year abroad within the Socrates / Erasmus Exc	hange Program
	Enrolled in 10 courses in the domains Natural L	anguage Processing, Software Engineering, and Theory of Computer
	Science; best student in three courses	
Resea	rch Visits	
Univers	sity of Karlsruhe	Nov 2005 - Dec 2006
German	_	
	Stay in the Artificial Intelligence Lab as a fellow	of the InterACT exchange program
	Resulted in publications in HLT/NAACL, IWSLT	
Google	Inc.	Aug 2007 - May 2008
Mountai	in View, CA, U.S.A.	
	Intern in the statistical machine translation rese	arch group
	Implemented Syntax-Augmented MT model (Zo	Ilmann&Venugopal, 2006) there
	Resulted in publication in CoLing-2008	
Univers	sity of Edinburgh	Jul 2009 - Aug 2009
	Kingdom	
	Developed nonparametric Bayesian model to la	bel phrase pairs, resulting in a probabilistic synchronous context-free
	grammar for machine translation; work still ongo	ping
Langu	age Proficiency	

☐ Germany (native), English (fluent), Dutch (interm.), French (interm.), Russian (basic)

A d d	lit	ional Skills and Research Activities
		Programming skills in Java, C++, Perl, Unix shells, SQL, Visual Basic, Delphi, Prolog, Haskell, Assembler System skills in Hadoop (esp. MapReduce), MinorThird, Weka, SVM-light, MySQL, Berkeley DB, CVS, Subversion Conference program committee member for: ACL, EMNLP, IJCAI, COLING, NAACL, WMT
		Journal Reviewer for: Journal of Automata, Languages and Combinatorics; Journal of Machine Learning Research
Awa	aro	d s
		30th German Mathematical Competition 1990: third (region Jena); seventh (state Thuringia)
		33rd German Mathematical Competition 1993: fifth (region Jena)
		German Scientific Competition "Jugend forscht" 1997: winner (region East Thuringia); winner (state Thuringia);
	_	special price REHA international exhibition; special price technology)
		6 <sup>th</sup> National Portuguese Logic Programming Competition (cenPL) 2003: <b>second</b> Fellowship in "Studienstiftung des deutschen Volkes" (German National Academic Foundation)
Daf		
кет		ences  Dr. Stophen Vegel (Cornegie Mellen University): vegel@ee.emy.edu
		Dr. Stephan Vogel (Carnegie Mellon University): <a href="mailto:vogel@cs.cmu.edu">vogel@cs.cmu.edu</a> Dr. Noah Smith (Carnegie Mellon University): <a href="mailto:nasmith@cs.cmu.edu">nasmith@cs.cmu.edu</a>
		Dr. Jay Ponte (Google Inc.): ponte@google.com
Pat	e n	ts and Selected Publications (full list: www.cs.cmu.edu/~zollmann/publications.html)
		Design patent no. 297 07 958.1, Germany: "Foot-controlled pointing device for computers"
		Owners: Gommel, Christoph; Hauser, Gerlind; Zollmann, Andreas; day of registry: 3 July 1997
		Andreas Zollmann and Stephan Vogel. 2010. New Parameterizations and Features for PSCFG-Based Machine
		Translation. In Proc. of the Fourth Workshop on Syntax and Structure in Statistical Translation (SSST) at the 2010
		Conference on Computational Linguistics (COLING-2010), Beijing, China.
		Ashish Venugopal, Andreas Zollmann, Noah A. Smith, and Stephan Vogel. 2009. Preference Grammars: Softening Syntactic Constraints to Improve Statistical Machine Translation. In Proceedings of the Human Language Technology and North American Association for Computational Linguistics Conference (NAACL/HLT), Boulder, Colorado.
		Ashish Venugopal and Andreas Zollmann. 2009. Grammar based statistical MT on Hadoop: An end-to-end toolkit for large scale PSCFG based MT. <i>In</i> The Prague Bulletin of Mathematical Linguistics No. 91, 2009, pages 67-78.
		Ashish Venugopal, Andreas Zollmann, Noah A. Smith, and Stephan Vogel. 2008. Wider Pipelines: N-Best Alignments
		and Parses in MT Training. In Proc. of the Association of Machine Translation in the Americas (AMTA), Waikiki, Hawaii.
		Andreas Zollmann, Ashish Venugopal, Franz Och and Jay Ponte. 2008. A Systematic Comparison of Phrase-Based, Hierarchical and Syntax-Augmented Statistical MT. In Proc. of 22nd International Conference on Computational Linguistics (Coling), Manchester, U.K.
		Ashish Venugopal, Andreas Zollmann and Stephan Vogel. 2007. An Efficient Two-Pass Approach to Synchronous-CFG
		Driven Statistical MT. In Proceedings of the Human Language Technology and North American Association for
		Computational Linguistics Conference (HLT/NAACL), Rochester, NY. April 22-27.
		Andreas Zollmann and Ashish Venugopal. 2006. Syntax Augmented Machine Translation via Chart Parsing. In Proc. of
	_	NAACL 2006 - Workshop on statistical machine translation, <i>New York. June 4-9</i> .
		Andreas Zollmann, Ashish Venugopal and Stephan Vogel. 2006. Bridging the inflection morphology gap for Arabic statistical machine translation. In Short Papers in the Proceedings of the Human Language Technology and North
		American Association for Computational Linguistics Conference (HLT/NAACL), New York. June 4-9.  Roger Hsiao, Ashish Venugopal, Thilo Köhler, Ying Zhang, Paisarn Charoenpornsawat, Andreas Zollmann, Stephan
		Vogel, Alan W Black, Tanja Schultz and Alex Waibel. 2006. Optimizing Components for Handheld Two-way Speech
		Translation for an English-Iraqi Arabic System. In Proc. of ICSLP-2006, Pittsburgh.
		Detlef Prescher, Remko Scha, Khalil Sima'an and Andreas Zollmann. 2006. What Are Treebank Grammars? In BNAIC'06, Namur, Belgium.
		Andreas Zollmann and Khalil Sima'an. 2005. A Consistent and Efficient Estimator for Data-Oriented Parsing. In Journal of Automata, Languages and Combinatorics Vol. 10 (2005) Number 2/3, pages 367-388.
		Ashish Venugopal, Andreas Zollmann and Alex Waibel. 2005. Training and Evaluating Error Minimization Decision
	_	Rules for Statistical Machine Translation. <i>In</i> Proc. of ACL Workshop on Building and Using Parallel Corpora, <i>Ann Arbor.</i>
		Detlef Prescher, Remko Scha, Khalil Sima'an and Andreas Zollmann. 2004. On the Statistical Consistency of DOP

Estimators. In Proceedings of the 14th Meeting of Computational Linguistics in the Netherlands, Antwerp, Belgium.