Tobias Schnabel

tbs49@cornell.edu

106 Valentine Pl., Apt. 660
Ithaca, NY 14850

▶ Resume

Education

Aug'13 –
- Cornell University, Ithaca
- Second-year PhD student in Computer Science

Jul'12 – Apr'13
- University of Stuttgart, Germany
- Received a Diplom (Master Of Science) in Computer Science with distinction
- Minor: Computational Linguistics
- Specialization areas: Artificial Intelligence; Visualization and Interactive Systems

Aug'11 – Jun'12
- Cornell University, Ithaca
- Non-degree visiting PhD student in Computer Science
- Overall GPA: 4.1

Oct'07 – Apr'13
- University of Stuttgart, Germany
- Candidate for Diplom (Master Of Science) in Computer Science
- Undergraduate GPA: 1.6 (Ranked 2nd in class)

Honors

"Infos" award for one of the best M.Sc. theses of 2013

Teaching Assistant award for CS 4780/5780 in 2013

DAAD (German Academic Exchange Service) scholarship for 2011/12

Tuition waiver based on academic excellence (top 5%), University of Stuttgart

Teaching Experience

Cornell University, NY
Aug'14 – Dec'14

TA for Machine Learning (CS 4780/5780), Head TA, taught a lecture on Viterbi decoding and HMMs

	Cornell University, NY Aug'13 – Dec'13	TA for Machine Learning (CS 4780/5780), worked on assignments, held office hours and supervised student projects
	University of Munich, Germany May'13 – Jul'13	Teaching Assistant for Information Retrieval, responsible for student assignments and holding discussion sections
	University of Stuttgart, Germany Oct'09 – Feb'10	Teaching Assistant for Formal Methods, a theory course for students of Business Informatics
Research Projects	**Cornell University,** Oct'14 –	Research project Evaluation of word embeddings
	Cornell University, Dec'13 – May'14	Research project Learning from categorical feedback
	University of Munich, Germany May'13 – Jul'13	Research project Fast and easy part-of-speech tagging Supervisor: Prof. Hinrich Schütze
	University of Stuttgart, Germany Oct'12 – Apr'13	Master's Thesis Towards robust cross-domain part-of-speech tagging Supervisor: Prof. Hinrich Schütze
	Cornell University, NY, USA Jan'12 – Jun'11	Special project Evaluation of online structured prediction via coactive learning with real users Supervisor: Prof. Thorsten Joachims
	University of Stuttgart, Germany May'11 – Jul'11	Student Assistant CUDA-enabled visualization of shallow water equations Supervisor: Prof. Michael Bader

Publications

Conferences

- Tobias Schnabel and Hinrich Schütze. 2013. Towards robust cross-domain domain adaptation for part-of-speech tagging. In *IJCNLP*.
- Stable Coactive Learning via Perturbation. 2013. Karthik Raman, Thorsten Joachims, Pannaga Shivaswamy and Tobias Schnabel. In *ICML*.

Journals

- Tobias Schnabel and Hinrich Schütze. 2014. FLORS: Fast and Simple Domain Adaptation for Part-of-Speech Tagging. In *TACL*.

Professional Experience	**Microsoft Research, SVC**	Worked with S. Sathiya Keerthi
	Summer 2014	Topic: Entity-based embeddings for content recommendations

Programming Skills

Programming and Scripting Languages:
- Python, Java, Matlab, C, C++, CUDA, OpenGL, Ada, Scheme, Visual Basic
- JavaScript, PHP, MySQL, JSP, ASP, AWK, Python

Frameworks and Packages:
- Theano, Lucene, TMG Toolbox
- Apache HTTP Server, Apache Tomcat, Microsoft IIS

Other Experiences

Gene Golub SIAM Summer School 2012 in Monterey, CA

Summer School 2010 in Sarntal, South Tyrol

Selected Coursework

- Machine Learning
- Natural Language Processing
- Information Retrieval
- Statistical Data Mining
- Advanced Topic Modeling
- Graphical Models
- Analysis of Algorithms
- Computational Complexity Theory

Languages

German (mother tongue)
English (fluent)
French (basic)