

Yijia Liu

Ph.D. student, *Language analysis* group in HIT-SCIR
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RESEARCH INTEREST	Natural language processing, Chinese Word Segmentation, Machine Learning. My supervisor is Wanxiang Che.	
EDUCATION	M.S., Harbin Institute of Technology Major: Computer Science, Score 79.14(rank top 10%)	2012.9 - 2014.7
	B.E., Harbin Institute of Technology Major: Computer Science, Score: 88.7 (rank top 8%)	2008.7 - 2012.7
PUBLICATION	Yijia Liu , Yue Zhang, Wanxiang Che, and Ting Liu. 2014. Domain Adaptation for CRF-based Chinese Word Segmentation using Free Annotations, (To appear) In <i>Proceedings of the 2014 Conference on Empirical Methods in Natural Language Processing</i> .	
	Yijia Liu , Wanxiang Che, and Ting Liu. 2013. Enhancing chinese word segmentation with character clustering. In <i>Chinese Computational Linguistics and Natural Language Processing Based on Naturally Annotated Big Data</i> .	
	Yijia Liu , Wanxiang Che, Ting Liu, and Meishan Zhang. 2013. A Comparison Study of Sequence Labeling Based Chinese Word Segmentation, POS tagging Models, In <i>Journal of Chinese Information Processing</i> . 2013 (3)	
	Yijia Liu , Meishan Zhang, Wanxiang Che, Ting Liu, and Yihe Deng. 2012. Micro blogs Oriented Word Segmentation System. In <i>Proceedings of the Second CIPS-SIGHAN Joint Conference on Chinese Language Processing</i> .	
	Meishan Zhang, Wanxiang Che, Yijia Liu , Zhenghua Li, Ting Liu. 2012. HIT dependency parsing: Bootstrap aggregating heterogeneous parsers. In <i>Notes of the First Workshop on Syntactic Analysis of Non-Canonical Language (SANCL)</i> .	
PROJECTS	Language Technology Platform (LTP)	2013.6 - present
	Project Homepage: https://github.com/HIT-SCIR/ltp . LTP is a software package that provides various Chinese natural language processing modules along with web service API.	
	<ul style="list-style-type: none">refactored 4 modules including Chinese word segmentation, POSTagging, NER and Dependency parser in a perceptron algorithm framework.developed the Python and Ruby API client.contributed to the development of website (http://ltp-cloud.com).	
	Zpar Project	2013.10 - present
	Project Homepage: http://sourceforge.net/projects/zpar/	
	<ul style="list-style-type: none">developed transition based parserdeveloped bug fixes	
	CLP 2012 Bakeoff: Chinese Word Segmentation on MicroBlog	2012.11
	Bakeoff Page: http://www.cipsc.org.cn/clp2012/task1.html	
	<ul style="list-style-type: none">implemented a semi-supervised segmentation system	

- our system achieved an f1 score of 94.04% on the bakeoff test data and ranked 2nd unofficially (due to the official rank is not published).

EMPLOYMENT	<i>Research Assistance</i> , SUTD.	2013.10 - present
	working with Professor Zhang Yue, on statistical machine translation, Chinese tagging and transition based dependency parsing.	
	<i>Intern Researcher and Developer</i> , Baidu Inc., NLP Department.	2011.7 - 2011.11
	implemented query template extraction tool and built a python extension for baidu wordseg library.	
TEACHING EXPERIENCE	TA, High level Programming Language,	2009 Fall, 2010 Fall
	TA, The Practice of Programming,	2011 Spring, 2012 Spring
TECHNIQUE SUMMARY	<i>Programming Languages</i> : C, C++, Python, R, Shell, PHP, Java	
	<i>Operating Systems</i> : Linux(two year experience as system administrator)	
	<i>Experience</i> : SVN, Git, Valgrind, Apache, Nginx, codeigniter(PHP), django(Python)	
AWARDS	The National Scholarship for graduate students	2013.9
	2010 ACM/ICPC Asia Regional Contest Hangzhou Onsite, Silver Medal,	2010.10
	Hua Wei Scholarship	2010.9
MISCELLANEOUS	TOELF ibt (2013.6) 93	
	Homepage: http://yjliu.net , Github https://github.com/Oneplus	