

CONTACT INFORMATION	<p>Ph.D Student School of Computer Science Harbin Institute of Technology Harbin, China</p>	<p>Mobile: +1-314-825-8796 E-mail: gfffof@gmail.com WWW: www.asiteof.me/yumo</p>
RESEARCH INTERESTS	<p>Natural Language Processing: Information Extraction, Parsing, Cross-lingual Methods Machine Learning: Representation Learning (including Deep Learning), Semi-supervised Learning, Convex Optimization</p>	
EDUCATION	<p>Harbin Institute of Technology, Harbin, China</p> <p>Ph.D., Computer Science and Technology, to present</p> <ul style="list-style-type: none"> • Adviser: Professor Tiejun Zhao • Area of Study: Machine Learning and its applications to NLP <p>M.S., Computer Science and Technology, July 2011</p> <ul style="list-style-type: none"> • Adviser: Professor Tiejun Zhao • Area of Study: Machine Learning and its applications to NLP <p>B.S., Computer Science and Technology, School of Honor, July 2009</p>	
PROFESSIONAL EXPERIENCE	<p>Johns Hopkins University, Baltimore, MD</p> <p><u>Visiting Student</u> December 2013 to present</p> <ul style="list-style-type: none"> • Advisers: Professor Mark Dredze and Professor Raman Arora • Learning structured representations for NLP, with relation extraction and phrase similarity as particular focuses. • Joint learning strategies for task-specific word embeddings. <p>Natural Language Processing Group, Baidu Inc, Beijing, China</p> <p><u>Research Intern</u> May 2012 to December 2013</p> <ul style="list-style-type: none"> • Learning syntactic representations (Advised by Prof. Tong Zhang). • Online learning algorithms for problems with structured predictions (Advised by Prof. Tong Zhang). • Development of dependency parsers. • Learning strategies for task-specific word embeddings, and applications of word embeddings to NER, Chinese POS-tagging and cross-lingual projection. <p>Natural Language Computing Group, Microsoft Research Asia, Beijing, China</p> <p><u>Research Intern</u> Augues 2010 to December 2010</p> <ul style="list-style-type: none"> • Research on Twitter sentiment analysis. • Designed target-dependent Twitter sentiment analysis pipeline for the QuickView project. <p>Web Search & Mining Group, Microsoft Research Asia, Beijing, China</p> <p><u>Research Intern</u> December 2008 to August 2009</p> <ul style="list-style-type: none"> • Re-ranking for image retrieval. • Intelligent advertising based on users' photo collections. 	

PUBLICATIONS

- [1] Mo Yu, Matthew Gormley, Mark Dredze. Factor-based Compositional Embedding Models. The NIPS 2014 workshop on Learning Semantics.
- [2] Tuo Zhao*, Mo Yu*, Yiming Wang, Raman Arora, Han Liu. Accelerated Mini-batch Randomized Block Coordinate Descent Method. (Both authors contributed equally.) (NIPS) 2014.
- [3] Mo Yu, Mark Dredze. Improving Lexical Embeddings with Semantic Knowledge. Association for Computational Linguistics (ACL), 2014, short papers
- [4] Mo Yu, Tiejun Zhao and Yalong Bai, Hao Tian, Dianhai Yu. Cross-lingual Projections between Languages from different Families. Association for Computational Linguistics (ACL), 2013, short papers
- [5] Mo Yu, Tiejun Zhao, Daxiang Dong, Hao Tian, Dianhai Yu: Compound Embedding Features for Semi-supervised Learning. North American Chapter of the Association for Computational Linguistics (NAACL), 2013, short papers
- [6] Mo Yu, Tiejun Zhao, Yalong Bai. Learning Domain Differences Automatically for Dependency Parsing Adaptation. (IJCAI), 2013
- [7] Mo Yu, Tiejun Zhao, Penglong Hu. A Theoretical Analysis on Structured Learning with Noisy Data and its Applications. Journal of Software. 2013 (In Chinese)
- [8] Lemao Liu, Hailong Cao, Taro Watanabe, Tiejun Zhao, Mo Yu, Conghui Zhu. Locally Training the Log-Linear Model for SMT. EMNLP-CoNLL 2012
- [9] Long Jiang, Mo Yu, Ming Zhou, Xiaohua Liu, Tiejun Zhao. Target-dependent Twitter Sentiment Classification. Association for Computational Linguistics (ACL), 2011
- [10] Mo Yu, Shu Wang, Conghui Zhu, Tiejun Zhao: Semi-supervised learning for word sense disambiguation using parallel corpora. FSKD 2011
- [11] Penglong Hu, Mo Yu, Jing Li, Conghui Zhu, Tiejun Zhao: Semi-supervised Learning Framework for Cross-Lingual Projection. Web Intelligence/IAT Workshops 201
- [12] Huashen Liang, Lemao Liu, Mo Yu, Yupeng Liu, Penglong Hu, Tingting Li, Chunyue Zhang, Hailong Cao, Tiejun Zhao. Technique reports of HIT-Machine Intelligence & Translation Lab for CWMT2011 (In Chinese)
- [13] Yu-Heng Ren, Mo Yu, Xin-Jing Wang, Lei Zhang, Wei-Ying Ma, Diversifying Landmark Image Search Results by Learning Interested Views from Community Photos WWW2010 demo papers.
- [14] Han Xi-Wu, Yu Mo, Zhu Cong-Hui, and Zhao Tie-Jun. A Sequence Kernel Method for Chinese Subcategorization Analysis. Chinese Journal of Electronics. Vol.19, No.3, July 2010.
- [15] Zhen Li, Hanjing Li, Mo Yu, Tiejun Zhao, Sheng Li: Event Entailment Extraction Based on EM Iteration. IALP 2010
- [16] Xin-Jing Wang, Mo Yu, Lei Zhang, Wei-Ying Ma, Argo: Intelligent Advertising Made Possible from Users' Photos. ACM MM09 Proceedings (demo paper).
- [17] Xin-Jing Wang, Mo Yu, Lei Zhang, Wei-Ying Ma. Advertising based on users' photos. IEEE ICME 2009 workshop.
- [18] Xin-Jing Wang, Mo Yu, Lei Zhang, Rui Cai, Wei-Ying Ma. Argo: Intelligent Advertising by Mining a User's Interest from His Photo Collections. ADKDD2009.
- [19] Cong-Hui Zhu, Mo Yu, Tie-Jun Zhao. Chinese Word Segmenter Based on Discriminative Classifiers Integration. Journal of Computational Information Systems3:5(2008).

- GRANTS**
- Cross-lingual projection based on semi-supervised structured learning.**
- Natural Science Foundation of China (NSFC: 61173073) in the year 2012.
 - Wrote the proposal with Prof. Tiejun Zhao.
 - Taking charge of works related to the funding.
- STUDENT ADVISING**
- Penglong Hu, 2012**
Graduate student in Computer Science, Harbin Institute of Technology. Semi-supervised Structured Learning for Pos-tag Projection across Languages. Primary adviser: Tiejun Zhao.
- Jing Li, 2011**
Undergraduate students in Computer Science, Harbin Institute of Technology. Pivot-Based Statistical Machine Translation. Primary adviser: Conghui Zhu.
- TEACHING EXPERIENCE**
- Johns Hopkins University, Baltimore, MD**
- Grader **Spring Semester 2014 and Fall Semester 2014**
- Graded writeup assignments and final projects (CS 475).
- HIT-MSRA Summer School of Natural Language Processing, Harbin, China**
- Teaching Assistant **August 2011**
- Head TA of the “parsing” course lectured by Prof. John Carroll.
 - Took part in designing the project of the course.
- Harbin Institute of Technology, Harbin, China**
- Teaching Assistant **Fall Semester 2008 and Fall Semester 2009**
- Head TA of the Formal Language and Automata instructional team.
 - Designed weekly write-ups and the programming assignments.
 - Graded assignments and led TA sessions.
- OTHER MEETING ATTENDANCE**
- Invited Participant**
- 2nd Heidelberg Laureate Forum (HLF), September 21–26, 2014
- SERVICE**
- HIT IBM Tech Club, Harbin Institute of Technology, 2006–to present**
- President of HIT IBM Tech Club, 2007–2008
 - Organized the Seminar of “Computer Systems: A Programmer’s Perspective” and gave lectures, 2007–2008
 - Interviewed prospective members, 2007–2011
- Harbin Linux User Group (HLUG), 2009–2011**
- President of HLUG, 2009–2010
 - Organized the Day of Open Sources, 2010.
- AWARDS**
- Excellent Intern Award in Baidu NLP Group, 2012
 - Excellent Master Dissertation Award, 2011
 - Excellent Undergraduate Dissertation Award, 2009
 - Excellent Certification for Interns at MSRA, 2009
 - Microsoft Young Fellowship Award by MSRA, 2008
- SKILLS**
- Computer Programming:** C, C++, C#, python, perl, java, MATLAB
- Tools:** Vim, Xcode, Eclipse, \TeX (\LaTeX , \BIBTeX), Git
- Operating Systems:** Linux, Apple OS X, Microsoft Windows family