

Yuan Zhang

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Education

9/2011– **Massachusetts Institute of Technology** **MA, USA**

Present • Ph.D. in Department of Electronic Engineering and Computer Science
○ GPA: 5.0/5.0

9/2007– **Tsinghua University** **Beijing, China**

6/2011 • B.E. in Department of Computer Science and Technology
○ GPA: 93.17/100, Rank: 2/165
○ Major GPA: 93.4/100, Rank: 2/165

Research and Work Experience

6/2015– Internship at the Parsing Group in Google Inc. New York.

9/2015 New York, NY, USA

9/2011– Research Assistant in MIT Natural Language Processing Group with Regina Barzilay
Present Cambridge, MA, USA

9/2010– Internship at Web Search and Mining Group in Microsoft Research Asia
2/2011 Beijing, China

7/2010– Internship at Information Science Institute in University of Southern California
8/2010 Los Angeles, CA, USA

3/2009– Research Assistant in Knowledge Engineering Group of Tsinghua University
7/2010 Beijing, China

Teaching Experience

Spring 2013 Teaching Assistant for 6.S064 “Introduction to Machine Learning”, Massachusetts Institute of Technology

Publication

1. **Stack-propagation: Improved Representation Learning for Syntax**
Yuan Zhang, David Weiss
Annual Meeting of the Association of Computational Linguistics (ACL), 2016
2. **Ten Pairs to Tag - Multilingual POS Tagging via Coarse Mapping between Embeddings**
Yuan Zhang, David Gaddy, Regina Barzilay, Tommi Jaakkola
North American Chapter of the ACL (NAACL), 2016

3. **Hierarchical Low-Rank Tensors for Multilingual Transfer Parsing**
Yuan Zhang, Regina Barzilay
Empirical Methods in Natural Language Processing (EMNLP), 2015
4. **Randomized Greedy Inference for Joint Segmentation, POS Tagging and Dependency Parsing**
Yuan Zhang, Chengtao Li, Regina Barzilay, Kareem Darwish
North American Chapter of the ACL (NAACL), 2015
5. **High-Order Low-Rank Tensors for Semantic Role Labeling**
Tao Lei, Yuan Zhang, Regina Barzilay, Lluís Màrquez, Alessandro Moschitti
North American Chapter of the ACL (NAACL), 2015
6. **Greedy is Good if Randomized: New Inference for Dependency Parsing**
Yuan Zhang*, Tao Lei*, Regina Barzilay and Tommi Jaakkola (*: Equal contribution)
Empirical Methods in Natural Language Processing (EMNLP), 2014
7. **Steps to Excellence: Simple Inference with Refined Scoring of Dependency Trees**
Yuan Zhang, Tao Lei, Regina Barzilay, Tommi Jaakkola and Amir Globerson
Annual Meeting of the Association of Computational Linguistics (ACL), 2014.
8. **Low-Rank Tensors for Scoring Dependency Structures (Best Student Paper)**
Tao Lei, Yu Xin, Yuan Zhang, Regina Barzilay and Tommi Jaakkola
Annual Meeting of the Association for Computational Linguistics (ACL), 2014.
9. **Transfer Learning for Constituency-Based Grammars**
Yuan Zhang, Regina Barzilay and Amir Globerson
Annual Meeting of the Association of Computational Linguistics (ACL), 2013.
10. **Learning to Map into a Universal POS Tagset**
Yuan Zhang, Roi Reichart, Regina Barzilay and Amir Globerson
Empirical Methods on Natural Language Processing (EMNLP) 2012.
11. **MoodCast: Emotion Prediction via Dynamic Continuous Factor Graph Model**
Yuan Zhang, Jie Tang, Jimeng Sun, Yiran Chen and Jinghai Rao
International Conference on Data Mining (ICDM), 2010.
12. **MQuery: Fast Graph Query via Semantic Indexing for Mobile Context**
Yuan Zhang, Ning Zhang, Jie Tang, Jinghai Rao and Wenbin Tang
International Conferences on Web Intelligence (WI), 2010.

Honors and Awards

- 9/2011 MIT Greater China Computer Science Fellowship
- 11/2010 Tsinghua University 12.9 Scholarship, 1st prize.
- 12/2009 National Scholarship, 1st prize.
- 12/2008 Tsinghua University Alumni Foundation Scholarship, 1st prize.
- 6/2010 Tsinghua University Special Pilot CS Class Yao Award, 2nd prize

Technical Skills

- Programming Languages: C/C++, Java, Python, C#
- Math & Statistical Package: Matlab, Theano, Numpy

- Databases: MySQL, SQL Server
- Operating System: Windows, Linux, Mac