

# Zi Wang

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## Objective

To seek summer/winter research & development internship on optimization/machine learning.

## Education

Sep. 2014 – now

Ph.D. Student in EECS, **Massachusetts Institute of Technology** Cambridge, MA

- **GPA:** 5.0/5.0; Courses: 6.856 A+, 6.437 A, 6.832 A, 6.830 A (TQE completed).
- Advisors: Prof. Stefanie Jegelka, Prof. Leslie Kaelbling, and Prof. Tomás Lozano-Pérez

2010 – 2014

B.S. in Computer Science and Technology, **Tsinghua University** Beijing, China

- Outstanding Graduates Award; GPA: 92/100; rank: 2/129; advisors: Prof. Fei Sha and Prof. Jun Zhu

## Experience

### Research Experience

Sep. 2014 – now

**Research Assistant**, *Learning and Intelligent Systems Group*. Cambridge, MA

- Devised a MAP algorithm for GP optimization with applications to robotics/vision with theoretical bounds.

Jul. 2013 – May. 2014

**Undergraduate Researcher**, *Theoretical and Empirical Data Sciences Group*. Los Angeles, CA

- Derived and implemented a fast training algorithm with regularizer for deep learning via noise marginalization.
- Developed a discriminative non-negative matrix factorization algorithm for speech separation.

Mar. 2013 – Jul. 2014

**Research Assistant**, *State Key Lab of Intelligent Tech. & Systems*. Beijing, China

- Researched scalable inference algorithms for correlated/dynamic topic models, and created visualizations.

Dec. 2012 – May 2013

**Research Assistant**, *Future Internet Technology Sub-interest Group*. Beijing, China

- Researched matrix factorization and random forest for movie recommendation for Baidu Inc.

### Teaching Experience

Fall 2015

**Teaching Assistant**, 6.883 *Learning with Discrete and Combinatorial Structure*, MIT

### Professional Service

**Reviewer** of AISTATS 2016. **Volunteer** of NIPS 2013.

## Honors & Awards

Aug. 2014

Greater China Computer Science Fellowship, *MIT*. Cambridge, MA

Sep. 2013

Anita Borg Scholarship, *Google China*. Beijing, China

2010 – 2014

4 Undergraduate Scholarships/Awards, *Tsinghua*. Beijing, China

## Conference Publication

**Z. Wang, F. Sha. Discriminative Non-Negative Matrix Factorization for Single-Channel Speech Separation. IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Florence, Italy, 2014.**

J. Chen, J. Zhu, **Z. Wang**, X. Zheng, B. Zhang. **Scalable Inference for Logistic-Normal Topic Models. Neural Information Processing Systems (NIPS), Lake Tahoe, CA, 2013.**

## Programming Skills

### Computer

C/C++, Java, C#, Matlab, SQL, Python, JavaScript, HTML, VHDL, Verilog HDL, Assembly.

### Language

English, Chinese.