



# Hangfeng He

Computer and Information Science  
University of Pennsylvania

(267) 602-9517

[hangfeng@seas.upenn.edu](mailto:hangfeng@seas.upenn.edu)

<https://hornhehhf.github.io/hangfenghe/>

## OVERVIEW

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I work with Prof. Dan Roth in the Cognitive Computation Group and Penn Natural Language Processing Group. I also work with Prof. Weijie Su at Wharton Statistics Department.

My research interests are in machine learning and natural language processing. More specifically, I study incidental learning, extended semantic role labeling and online machine learning inference.

Before that, I received B.S. in Computer Science at Peking University, where I worked with Prof. Tingting Jiang on machine learning.

## RESEARCH INTERESTS

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Machine Learning and natural language processing

## EDUCATION

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**Ph.D. Computer Science**

2017-present

*University of Pennsylvania*

**B.S. Computer Science**

2013-2017

*Peking University*

## PUBLICATIONS

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1. **Hangfeng He** and Xu Sun. 2017. A Unified Model for Cross-Domain and Semi-Supervised Named Entity Recognition in Chinese Social Media. In AAAI.
2. **Hangfeng He** and Xu Sun. 2017. F-Score Driven Max Margin Neural Network for Named Entity Recognition in Chinese Social Media. In EACL.
3. Federico Fancellu, Adam Lopez, Bonnie Webber and **Hangfeng He**. 2017. Detecting negation scope is easy, except when it isn't. In EACL.
4. **Hangfeng He**, Federico Fancellu and Bonnie Webber. 2017. Neural Networks for Negation Cue Detection in Chinese. In SemBEaR Workshop.

## INTERNSHIP

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- Institute for Language, Cognition and Computation, University of Edinburgh
- Advisor: Prof. Bonnie Webber, Jul. 2016 - Sept. 2016.

- **National Engineering Laboratory for Video Technology, Peking University**
- Advisor: Prof. Tingting Jiang. Oct. 2016 - May 2017.
- **MOE Key Laboratory of Computational Linguistics, Peking University**
- Advisor: Prof. Xu Sun, Oct. 2015 - Jun. 2016.
- **State Key Laboratory of Nuclear Physics and Technology, Peking University**
- Advisor: Prof. Huichao Song, Mar. 2015 - Sept. 2015.

## **TEACHING**

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- Teaching Assistant for CIS 519 Applied Machine Learning
- Instructor: Prof. Dan Roth, 2018

## **REVIEWER**

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- NAACL HLT 2018

## **HONORS AND AWARDS**

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- Outstanding graduate in Peking University, 2017
- Bachelor of Science Summa Cum Laude, 2017
- New Academic Star Award of EECS at Peking University, 2017
- Weiling Scholarship, 2016
- Peking University Merit Student, 2016
- Jianeng Scholarship, 2015
- Peking University Merit Student, 2015
- May Fourth Scholarship, 2014
- 1st prize in Jiangxi province in the Math Competition of Senior High School of China, 2013
- Merit Student in Jiangxi Province, 2013

## **PROFESSIONAL SKILLS**

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- **Programming Languages and Scientific Softwares:**
- C, C++, C#, Java, Python, Verilog-HDL, Assembly Language, MATLAB, LaTeX, Theano, Tensorflow, Cuda