

Shuoyang Ding

RESEARCH ASSISTANT · PHD STUDENT IN NATURAL LANGUAGE PROCESSING

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Education

Johns Hopkins University

PH.D. IN COMPUTER SCIENCE

- Advisor: Philipp Koehn

Baltimore, United States

Sep. 2014 - PRESENT

Beijing University of Posts & Telecommunications

B.E. IN COMPUTER SCIENCE

- GPA: 89.41/100 (rank 1st among 298)
- Thesis: *Prototype-driven, treebank-oriented grammar engineering*

Beijing, China

Sep. 2010 - Jun. 2014

Experience

Center for Speech and Language Processing, Johns Hopkins University

RESEARCH ASSISTANT

- Advised by Philipp Koehn and Kevin Duh
- Participated in various evaluation campaigns (WMT17', WMT16', OpenMT15')
- Currently working on integrating pre-trained word embedding and syntax into neural machine translation models

Baltimore, United States

Aug. 2014 - PRESENT

Amazon

APPLIED SCIENTIST INTERN

- Mentored by Alon Lavie, Michael Denkowski and Ann Clifton
- Designed and implemented an automatic optimization paradigm for machine translation systems

Pittsburgh, United States

May. 2016 - Aug. 2016

Institute for Language, Cognition and Computation, University of Edinburgh

VISITING RESEARCHER

- Worked with Philip Williams, Rico Sennrich and Matthias Huck
- Incorporated operation sequence model into the latest Moses syntax-based decoder as a feature function

Edinburgh, Scotland

Jun. 2015 - Aug. 2015

Language Computing and Web Mining Group, Peking University

RESEARCH ASSISTANT

- Advised by Weiwei Sun
- Undergraduate research on Chinese semantic parsing and word segmentation

Beijing, China

Jul. 2013 - Jun. 2014

Publications

The JHU Machine Translation Systems for WMT 2017

[Shuoyang Ding](#), Huda Khayrallah, Philipp Koehn, Matt Post, Gaurav Kumar and Kevin Duh

WMT 2017

Backstitch: Counteracting Finite-sample Bias via Negative Steps

Yiming Wang, Hossein Hadian, [Shuoyang Ding](#), Ke Li, Hainan Xu, Xiaohui Zhang, Daniel Povey, Sanjeev Khudanpur

Preprint

The JHU Machine Translation Systems for WMT 2016

[Shuoyang Ding](#), Kevin Duh, Huda Khayrallah, Philipp Koehn, and Matt Post

WMT 2016

Grammatical Relations in Chinese:GB-Ground Extraction and Data-Driven Parsing

Weiwei Sun, Yantao Du, Xin Kou, [Shuoyang Ding](#), Xiaojun Wan

ACL 2014

Honors & Awards

- 2013 **Finalist**, Interdisciplinary Contest in Modeling
- 2013 **First Class Scholarship**, Beijing University of Posts & Telecommunications
- 2012 **First Class Scholarship**, Beijing University of Posts & Telecommunications
- 2011 **National Scholarship**, Ministry of Education, China