

YI ZHU 朱懿

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EDUCATION

University of Cambridge <i>Ph.D. Candidate in Computation, Cognition and Language</i> <i>Language Technology Lab</i>	Oct. 2017 - Present <i>Cambridge, UK</i>
University of Washington <i>MS in Computational Linguistics</i> <i>Department of Linguistics</i> GPA: 3.93/4	Sep. 2016 - Aug. 2017 <i>Seattle, USA</i>
ETH Zürich <i>Exchange Student</i> <i>Department of Information Technology and Electrical Engineering</i> GPA: 5.43/6	Feb. 2014 - Aug. 2014 <i>Zurich, Switzerland</i>
Tsinghua University <i>Bachelor of Engineering</i> <i>Department of Automation, School of Information Science and Technology</i> Major: Automation Minor: Law GPA: 84.5/100	Aug. 2011 - Jul. 2015 <i>Beijing, China</i>

EXPERIENCE

Language Technology Lab, University of Cambridge <i>Ph.D. Candidate</i> <i>Supervisor: Prof. Anna Korhonen</i> <ul style="list-style-type: none">Working on LEXICAL (Lexical Acquisition across Languages) project.	Oct. 2017 - Present <i>Cambridge, UK</i>
NLP Group, University of Washington <i>Research Assistant</i> <i>Supervisor: Prof. Noah Smith</i> <ul style="list-style-type: none">Developed a neural dependency parser for tweet using Stack LSTM.Built Twebank V2 (Tweet Dependency Treebank) with Universal Dependencies.	Oct. 2016 - Aug. 2017 <i>Seattle, USA</i>
Niki.ai <i>NLP Intern</i> <ul style="list-style-type: none">Built a Concept-Grammar model prototype for semantic parsing.Implemented and optimized parsing algorithm for the model.	Mar. 2016 - Aug. 2016 <i>Bengaluru, India</i>
Canon Inc. <i>Research Intern</i> <ul style="list-style-type: none">Designed rule-based and machine learning systems for entity co-reference of sequential Japanese radiology reports.Implemented a new word detection algorithm for segmented Chinese & Japanese patent documents.	Jan. 2015 - Sep. 2015 <i>Beijing, China</i>
NLP & CSS Lab, Tsinghua University <i>Research Assistant</i> <i>Advisor: Prof. Yang Liu</i> <ul style="list-style-type: none">Implemented bilingual phrase embeddings and hierarchical phrase embeddings using recursive neural network.Studied syntactic parsing, and hierarchical phrase-based machine translation.	Sep. 2014 - Jan. 2016 <i>Beijing, China</i>

Institute of Computational Linguistics, University of Zurich

Research Intern

Jun. 2014 - Aug. 2014

Zurich, Switzerland

Advisor: Dr. Fabio Rinaldi

Participated in the **Ontogene Program** and conducted research in medical entity annotation and relation extraction.

ETH Zürich

Exchange Student

Feb. 2014 - Aug. 2014

Zurich, Switzerland

Advisor: Prof. Luc Van Gool, Dr. Andrea Fossati

Worked on the ReMeDi Project and built up classifiers for facial emotions and pain levels.

PUBLICATIONS

Yi Zhu, Ivan Vulić, Anna Korhonen. **A Systematic Study of Leveraging Subword Information for Learning Word Representations**. In *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*, 2019.

Ehsan Shareghi, Yingzhen Li, **Yi Zhu**, Roi Reichart and Anna Korhonen. **Bayesian Learning for Neural Dependency Parsing**. In *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*, 2019.

Yijia Liu, **Yi Zhu**, Wanxiang Che, Bing Qin, Nathan Schneder, and Noah A. Smith. **Parsing Tweets into Universal Dependencies**. In *Proceedings of the 2018 Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*, 2018.

Yi Zhu. **Deep Representation Learning for Bilingual Translation Phrase**. Bachelor Thesis (in Chinese), 2015.

Yi Zhu and Fabio Rinaldi. **OntoPDF: Using A Text Mining Pipeline To Generate Enriched PDF Versions of Scientific Papers**. In *Proceedings of SMBM 2014, Aveiro, Portugal*, 2014.

SOCIAL SERVICES & ACTIVITIES

EXPO Milan

Volunteer

Oct. 2015

Milan, Italy

Provided useful information and necessary service in multiple languages for visitors in the EXPO site.

LiuMao

Bass Player

Sep. 2012 - Jul. 2015

Beijing, China

Performed twice in the auditorium of the university.

American Field Service (AFS)

Cultural exchange Student

Sep. 2008 - Jul. 2009

Bari, Italy

Lived with an Italian family, studied in a native Italian high school, and grew interests in studying foreign languages.

AWARDS AND HONORS

ERC Studentship

University of Cambridge

Oct. 2017 - Jun. 2020

Exchange Student Scholarship

ETH Zürich

Feb. 2014 - Jun. 2014

SKILLS

Languages

Native: Chinese

Proficient: English

Intermediate: Italian, German

Elementary: Spanish

Programming Languages

Good: Python/Java

Familiar: C/C++/MATLAB/Shell

STANDARD TESTS

IELTS

Total 7.5/9 (C1), L 8.5/9, R 7.5/9, W 6.5/9, S 7.0/9

PLIDA (For Italian)

Total 106/120 (B2), L 28/30, R 26/30, W 24/30, S 28/30