

XING SHI

(213)-595-8558 shixing19910105@gmail.com

Los Angeles, CA

RESEARCH INTERESTS

Natural Language Processing, Machine Translation and Sequence to Sequence Models.

EDUCATION

University of Southern California

2012 - 2018

Ph.D. in Computer Science

Thesis: Neural Sequence Models: Interpretation and Augmentation.

Advisor: Prof. Kevin Knight

Tsinghua University, Beijing

2008 - 2012

B.E. in Computer Science and Technology

Ranking 14/117

EXPERIENCE

Didi Research America LLC

October 2018 - Present

Research Scientist

Los Angeles, US

- Worked on intelligent customer service.

Specifio, Inc.

August 2017 - January 2018

Research Intern

Los Angeles, US

- Worked on a system automating the patent drafting for attorneys and agents.

Microsoft Research Cambridge

June 2015 - August 2015

Research Intern

Cambridge, UK

- Designed a Machine Translation system to translate English queries to C# code.
- Designed and implemented a probabilistic C# code model based Abstract Syntax Tree.

HowToSpeak.org

2014 - Present

Co-Founder/Lead Developer

Los Angeles, CA

- Independently built a system generating Chinese phonetic translations of English, Korean and Japanese.
- Acquired 10k+ users for our wechat official account and 100+ registered developers for our API service.
- Integrated our service with Ticwatch (an Android Wear).

Unverisity of Southern California

Aug. 2012 - Present

Research Assistant/Teaching Assistant

Los Angeles, CA

- TA in Applied Natural Language Processing and Principles of Software Development.

PUBLICATIONS

- [1] **Xing Shi**, Shizhen Xu, and Kevin Knight. Fast locality sensitive hashing for beam search on gpu. In *submitted to NAACL*, 2018
- [2] Ulf Hermjakob, Qiang Li, Daniel Marcu, Jonathan May, Sebastian J Mielke, Nima Pourdamghani, Michael Pust, **Xing Shi**, Kevin Knight, Tomer Levinboim, et al. Incident-driven machine translation and name tagging for low-resource languages. *Machine Translation*, pages 1–31, 2017

- [3] **Xing Shi** and Kevin Knight. Speeding up neural machine translation decoding by shrinking run-time vocabulary. In *Proc. ACL*, 2017
- [4] **Xing Shi***, Marjan Ghazvininejad*, Jay Priyadarshi, and Kevin Knight. Hafez: an interactive poetry generation system. In *Proc. ACL demo (Best Demo Award)*, 2017 [\[DEMO\]](#)
- [5] **Xing Shi**, Kevin Knight, and Deniz Yuret. Why neural translations are the right length. EMNLP, 2016
- [6] **Xing Shi**, Inkit Padhi, and Kevin Knight. Does string-based neural mt learn source syntax? EMNLP, 2016
- [7] Marjan Ghazvininejad, **Xing Shi**, Yejin Choi, and Kevin Knight. Generating topical poetry. EMNLP, 2016
- [8] Kuan Liu, **Xing Shi**, Anoop Kumar, Linhong Zhu, and Prem Natarajan. Temporal learning and sequence modeling for a job recommender system. In *Proceedings of the Recommender Systems Challenge*, page 7. ACM, 2016
- [9] **Xing Shi**, Kevin Knight, and Heng Ji. How to speak a language without knowing it. pages 278–282. ACL, 2014
- [10] Minlie Huang, **Xing Shi**, Feng Jin, and Xiaoyan Zhu. Using first-order logic to compress sentences. AACL, 2012

HONORS AND AWARDS

Best Demo Paper Award in ACL 2017	<i>2017</i>
Finalist Award in at Amazon Alexa Skills Challenge	<i>2017</i>
Second prize in PoetiX 2017 (a sonnets generation competition).	<i>2017</i>
First prize in PoetiX 2016 (a sonnets generation competition).	<i>2016</i>
Second-class scholarship offered by ESS Inc.	<i>2010-2011</i>
Second-class scholarship offered by Geru Zheng.	<i>2009-2010</i>
First-class scholarship offered by Huawei Inc.	<i>2008-2009</i>