

Rui Liu

PERSONAL INFORMATION:

Date of Birth: 1994.05.18

Nationality: People's Republic of China

Gender: Male

ADDRESS:

235# Daxue West Road, SaiHan District, Hohhot, China

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EDUCATION:

September 2014~Present Ph.D. Candidate in Mongolian Text-to-Speech.

Dept. of Computer Science,

Inner Mongolia University

September 2010~June 2014 Bachelor of Engineering in Software Engineering

Dept. of software,

Taiyuan University of Technology

PUBLICATIONS:

1. **Rui Liu**, Feilong Bao, Guanglai Gao and Hongwei Zhang. *基于条件随机场的蒙古语韵律短语预测方法 (Approach to Prediction Mongolian Prosody Phrase Based on CRF Model)*. In: 13th National Conference on Man-Machine Speech Communication (NCMMSC2015)
2. **Rui Liu**, Feilong Bao and Guanglai Gao. *Mongolian prosodic phrase prediction using suffix segmentation*. In: 20th International Conference on Asian Language Processing (IALP 2016)
3. **Rui Liu**, Feilong Bao, Guanglai Gao and Yonghe Wang. *Mongolian Text-to-Speech System Based on Deep Neural Network*. National Conference on Man-Machine Speech Communication. Springer, Singapore, 2017: 99-108.
4. **Rui Liu**, Feilong Bao, Guanglai Gao, Hui Zhang and Yonghe Wang. *Phonologically Aware BiLSTM Model for Mongolian Phrase Break Prediction with Attention Mechanism*. In: 15th Pacific Rim International Conference on Artificial Intelligence (PRICAI2018)
5. **Rui Liu**, Feilong Bao, Guanglai Gao, Hui Zhang and Yonghe Wang. *A LSTM Approach with Sub-Word Embeddings for Mongolian Phrase Break Prediction*. In: 27th International Conference on Computational Linguistics (COLING 2018)
6. **Rui Liu**, Feilong Bao, Guanglai Gao, Hui Zhang and Yonghe Wang. *Improving Mongolian Phrase Break Prediction by Using Syllable and Morphological Embeddings with BiLSTM Model*. In: 15th Conference of the International Speech Communication Association (InterSpeech2018)
7. Jingdong Li, Hui Zhang, **Rui Liu**, Xueliang Zhang and Feilong Bao. *End-to-End Mongolian Text-to-Speech System*. In: 11th International Symposium on Chinese Spoken Language Processing (ISCSLP2018)

RESEARCH EXPERIENCES:

2014~Present Graduate Research

Advisor: Professor Guanglai Gao

Projects include:

1. Study on *Mongolian unit selection speech synthesis system*
2. Study on *Mongolian statistics parameter speech synthesis system*
3. Study on *Mongolian speech synthesis system based on End-to-end model*

HONORS AND AWARDS:

2017 National scholarship for Doctoral students

Academic scholarship of Inner Mongolia autonomous region

2016 Academic scholarship of Inner Mongolia autonomous region

2015 Academic scholarship of Inner Mongolia autonomous region

2011 National Encouragement scholarship