

Rui Meng

Ph.D. Candidate

Natural Language Processing, Machine Learning

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Education

University of Pittsburgh

Information Science and Technology - Doctoral.

Pittsburgh, PA, USA

Sep 2015 – Present

Wuhan University

Management Science and Engineering - Bachelor, Master.

Wuhan, Hubei, China

Sep 2012 – Jul 2015

Project Experience

Research Intern, Google

Lighter BERT models for Mobile Devices

May 2020–Aug 2020

Research Intern, Salesforce

Pre-training for text summarization

Apr 2019–Dec 2019

Research Intern, Google

Predict user satisfaction based on user actions on mobile devices

May 2018–Aug 2018

Research Intern, Yahoo!

Develop online evaluation methods for industrial dialogue systems

May 2017–Aug 2017

Neural Keyphrase Generation

Summarize documents with keyphrases using neural generation models

Deep Sentence Simplification

Enhance Simplification models with linguistic knowledge

Adversarial Learning for Cross-Modality Generation

Use CycleGAN to align and translate information between images/texts

Selected Publications

- **Meng, Rui**, Xingdi Yuan, Tong Wang, Adam Trischler and Daqing He. An Empirical Study on Neural Keyphrase Generation. (In submission)
- **Meng, Rui**, Zhen Yue and Alyssa Glass. Predicting User Engagement Types with Intelligent Assistants. **ECIR2021**
- Yuan, Xingdi*, Tong Wang*, **Rui Meng***, Khushboo Thaker, Peter Brusilovsky, Daqing He, and Adam Trischler. One Size Does Not Fit All: Generating and Evaluating Variable Number of Keyphrases. **ACL2020**
- Zhao, Sanqiang, **Rui Meng**, Daqing He, Andi Saptono, and Bambang Parmanto. Integrating Transformer and Paraphrase Rules for Sentence Simplification. **EMNLP2018**
- **Meng, Rui**, Sanqiang Zhao, Shuguang Han, Daqing He, Peter Brusilovsky, and Yu Chi. Deep Keyphrase Generation. **ACL2017**

Skills

PyTorch/Tensorflow/Theano, Python, Java, Linux, Web Development

Awards

Amazon Research Awards

- Awarded to my dissertation study "Transferable, Controllable, Applicable Keyphrase Generation"

First Prize of National Olympiad in Informatics, China

- Outstanding skills in algorithms and computer programming
- Awarded to top 1% competitors in China