

Rui Meng

Ph.D. Candidate

Natural Language Processing, Machine Learning

Email rui.meng@pitt.edu
Webpage <http://memray.me/>
LinkedIn <https://www.linkedin.com/in/memray/>
GitHub <https://github.com/memray/>

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

Work Experience

Research Intern, Google

Small BERTs ensemble for mobile devices

May 2020–Aug 2020

Research Intern, Salesforce

Pre-training for text summarization

Apr 2019–Dec 2019

Research Intern, Google

Predict user search 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

Research Experience

Neural Keyphrase Generation

Summarize documents with keyphrases using neural generation models

Build semi-supervised/unsupervised models for low-resource settings

Neural Text Simplification

Enhance simplification models with linguistic knowledge

Adversarial Learning for Cross-Modality Generation

Use CycleGAN to align and generate images/texts

Selected Publications

- **In submission.** X Shen, Y Wang, **R Meng** et al. *Unsupervised Deep Keyphrase Generation*.
- **[ACL2021]** **R Meng**, K Thaker, L Zhang et al. *Bringing Structure into Summaries: a Faceted Summarization Dataset for Long Scientific Documents*.
- **[NAACL2021]** **R Meng**, X Yuan, T Wang et al. *An Empirical Study on Neural Keyphrase Generation*.
- **[ECIR2021]** **R Meng**, Z Yue, A Glass. *Predicting User Engagement Types with Intelligent Assistants*.
- **[ACL2020]** X Yuan*, T Wang*, **R Meng*** et al. *One Size Does Not Fit All: Generating and Evaluating Variable Number of Keyphrases*.
- **[EMNLP2018]** S Zhao, **R Meng**, et al. *Integrating Transformer and Paraphrase Rules for Simplification*.
- **[ACL2017]** **R Meng**, S Zhao, S Han et al. *Deep Keyphrase Generation*.

Skills

PyTorch/Tensorflow, Python, Java, Bash, SQL, Web Development

Awards

Amazon Research Awards

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

First Prize of National Olympiad in Informatics (Province), China

- Awarded to top 1% competitors for outstanding skills in algorithm and programming