

# Rui Meng

Ph.D. Student

University of Pittsburgh

Natural Language Processing, Machine Learning

Cell

Email

Webpage

LinkedIn

GitHub

rum20@pitt.edu

<http://memray.me/>

<https://linkedin.com/in/memray/>

<https://github.com/memray/>

## Education

### University of Pittsburgh

Information Science and Technology - Ph.D. student. GPA: 3.8

Pittsburgh, PA, USA

Sep 2015 – Present

### Wuhan University

Information Management and System - Master, Bachelor. GPA: 3.7

Wuhan, Hubei, China

Sep 2008 – Jul 2015

## Project Experience

### Internship at Yahoo! Research – Online Evaluation for Dialogue Systems

May 2017–Aug 2017

- Developed a novel evaluation method for dialogue systems
- Created multiple metrics to monitor online system performance
- Modeling uncertainty of deep neural networks to detect unfamiliar inputs

### Deep Keyphrase Generation

Sep 2016 – Present

- Proposed an RNN-based model with copying ability for keyphrase prediction
- Outperformed previous models on multiple benchmarks
- Using Reinforcement Learning for further improvement

### Open Corpus Personalized Learning

Sep 2015 – Present

- Learning concept embeddings and knowledge structures from textbooks
- Linking heterogeneous educational resources (wiki, websites, papers, MOOCs)

### Baidu Big Data Competition

Sep 2013–Jan 2014

- Large-scale web query topic classification
- Feature engineering and SVM on Hadoop

## Selected Publications

- **Meng, Rui**, Sanqiang Zhao, Daqing He, Peter Brusilovsky "Deep Keyphrase Prediction.", 55th Annual Meeting of Association for Computational Linguistics (ACL). 2017. (Oral)
- Sanqiang Zhao, Shuguang Han, **Rui Meng**, Daqing He, Danchen Zhang "Learning Semantic Representation from Restaurant Reviews: A Study of Yelp Dataset", iConference 2017.
- **Meng, Rui**, Zexin Zhao, Yu Chi, Daqing He, "Automatic Course Website Discovery from Search Engine Results.", iConference 2017. (Best Poster Nominee)
- **Meng, Rui**, Shuguang Han, Yun Huang, Daqing He, Peter Brusilovsky "Knowledge-based Content Linking for Online Textbooks.", IEEE/WIC/ACM International Conference on Web Intelligence. 2016. (Oral)

## Skills

**Machine Learning:**

Tensorflow/PyTorch/Theano, Scikit-Learn, NLTK, Weka

**Programming:**

Python, Java, Linux, R, C/C++, Web Development

**Research Tools:**

MATLAB,  $\LaTeX$

## Awards

### Pass Ph.D Preliminary Exam with Distinction

Jan 2016

- Awarded to exceptional Ph.D students only once every few years

### First Prize of National Olympiad in Informatics in Provinces

Jan 2008

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