

Zhengbao Jiang

Education

- 2018–present **Ph.D.**, *Carnegie Mellon University*, Language Technologies Institute, *GPA: 4.1/4.3*.
Research Focus: NLP, IR.
Advisor: Graham Neubig
- 2015–2018 **M.S.**, *Renmin University of China*, Computer Science, *GPA: 3.85/4*.
Research Focus: Information Retrieval, NLP, Data Mining.
Advisor: Zhicheng Dou, Ji-Rong Wen.
- 2011–2015 **B.Eng.**, *Renmin University of China*, Computer Science, *GPA: 3.81/4*.
Thesis: Generating Query Facets Using Knowledge Bases.

Publication (* indicates equal contribution)

- EMNLP'20 **X-FACTR: Multilingual Factual Knowledge Retrieval from Pretrained Language Models.**
Zhengbao Jiang*, Antonios Anastasopoulos*, Jun Araki, Haibo Ding, Graham Neubig
- TACL'20 **How Can We Know What Language Models Know?.**
Zhengbao Jiang*, Frank F. Xu*, Jun Araki, Graham Neubig
- ACL'20 **Generalizing Natural Language Analysis through Span-relation Representations.**
Zhengbao Jiang, Wei Xu, Jun Araki, Graham Neubig
- ACL'20 (short) **Incorporating External Knowledge through Pre-training for Natural Language to Code Generation.**
Frank F. Xu*, Zhengbao Jiang*, Pengcheng Yin, Bogdan Vasilescu, Graham Neubig
- ECML'20 **Graph-Revised Convolutional Network .**
Donghan Yu, Ruohong Zhang, Zhengbao Jiang, Yuexin Wu, Yiming Yang
- AKBC'20 **Learning Relation Entailment with Structured and Textual Information.**
Zhengbao Jiang, Jun Araki, Donghan Yu, Ruohong Zhang, Wei Xu, Yiming Yang, Graham Neubig
- ACL'19 (short) **Improving Open Information Extraction via Iterative Rank-Aware Learning.**
Zhengbao Jiang, Pengcheng Yin, Graham Neubig
57th Annual Meeting of the Association for Computational Linguistics (pp. 5295-5300).
- CIKM'18 **Personalizing Search Results Using Hierarchical RNN with Query-aware Attention.**
Songwei Ge, Zhicheng Dou, Zhengbao Jiang, Jian-Yun Nie, Ji-Rong Wen
27th ACM International Conference on Information and Knowledge Management (pp. 347-356).
- TKDE'18 **Supervised Search Result Diversification via Subtopic Attention.**
Zhengbao Jiang, Zhicheng Dou, Wayne Xin Zhao, Jian-Yun Nie, Ming Yue, Ji-Rong Wen
IEEE Transactions on Knowledge and Data Engineering, 2018, 30(10): 1971-1984.
- SIGIR'17 **Learning to Diversify Search Results via Subtopic Attention.**
Zhengbao Jiang, Ji-Rong Wen, Zhicheng Dou, Wayne Xin Zhao, Jian-Yun Nie, Ming Yue
40th SIGIR Conference on Research and Development in Information Retrieval 2017 (pp. 545-554).
- TKDE'17 **Generating Query Facets Using Knowledge Bases.**
Zhengbao Jiang, Zhicheng Dou, Ji-Rong Wen
IEEE Transactions on Knowledge and Data Engineering, 2017, 29(2): 315-329.

TKDE'16 **Automatically Mining Facets for Queries from Their Search Results.**

Zhicheng Dou, Zhengbao Jiang, Sha Hu, Ji-Rong Wen, Ruihua Song
IEEE Transactions on Knowledge and Data Engineering, 2016, 28(2): 385-397.

Experience

2017.10–2018.3 **Research Intern, AI Labs, Alibaba Group.**

Mentor: Zaiqing Nie.

Research Topic: probabilistic graphical model, dialog generation.

2017.7–2017.10 **Research Intern, Big Data Mining Group, Microsoft Research Asia.**

Mentor: Zaiqing Nie.

Research Topic: dialog system, natural language representation.

2015.3–present **Research Assistant, Beijing Key Lab of Big Data Management and Analysis Methods.**

Advisor: Zhicheng Dou, Wayne Xin Zhao, Jian-Yun Nie, Ji-Rong Wen.

Research Topic: search result diversification, query facets mining.

2014.2–2014.12 **Software Engineer, OfferCalendar, Beijing.**

OfferCalendar (www.offercal.com) is a job-hunting management tool for college graduates.

Responsible for front-end development.

Skills

Programming Python, JavaScript, Java, C#, C++, C, HTML, Matlab

Language Chinese: native

English: fluent, TOEFL 104(R28,L25,S26,W25) GRE 326(V156,Q170)+3.5

Awards

2017 **Wu Yuzhang Scholarship**, highest honor in Renmin University of China, 10/24000.

2016, 2017 **National Scholarship for Graduates.**

2016 **Kaggle Avito Duplicate Ads Detection, 16th/548.**

Work as the team leader to detect dup ads using various text and image techniques.

2015 **Excellent Graduate Student Award of Renmin University of China.**

2014 **Kwang-Hua Scholarship.**

2013 **First-Class Scholarship of Renmin University of China.**

Professional Activities

Journal Reviewer TKDE, TIST

Conf Reviewer SIGIR'16, SIGIR'17, CIKM'17, WSDM'17, AAAI'18, SIGMOD'18