

# 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

- Arxiv, in submission **How Can We Know What Language Models Know?**.  
Zhengbao Jiang, Frank F. Xu, Jun Araki, Graham Neubig
- Arxiv, in submission **Generalizing Natural Language Analysis through Span-relation Representations**.  
Zhengbao Jiang, Wei Xu, Jun Araki, 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](http://www.offercal.com)) is a job-hunting management tool for college graduates.  
Responsible for front-end development.

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## 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

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## 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**.

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## Professional Activities

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