

# QIAOLIN XIA

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## EDUCATION

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### **Peking University, Beijing, China**

*PhD candidate in Computer Science, 2015 – 2020 (expected)*

(Skipped master's degree in 2017)

### **Beihang University, Beijing, China**

*B.S., Double Major in Computer Science and Applied Mathematics. 2011-2015*

### **University of California, Berkeley, CA**

*Haas School of Business, Summer Session: Financial Accounting. July-September, 2013*

## RESEARCH EXPERIENCE

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### **Visiting Student** with Noah Smith

*University of Washington, Seattle, USA. 09/2018 – present*

- Work on Vision-and-Language Navigation tasks

### **Research Assistant** with Zhifang Sui

*Peking University, Beijing, China. 09/2015 – present*

- 973 Program: Construction of Chinese Semantic Role Labeling Bank with Concepts and Logic Layers.
- Worked on Progressive learning with heterogeneous data to improve Chinese semantic role labeling.

### **Research Intern** with Xiaobo Wang

*Web Search group, Alibaba Corp., Beijing, China. 07/2016 – 10/2016*

- Worked on research to model consumer buying decision for recommendation based on multi-task deep learning in e-commerce. The model can predict possibilities of different user behaviors, like add to cart and buying, as results of clicks on products.

### **Software Engineering Intern** with Zaiqing Nie

*Big Data Mining, Microsoft Research Asia, Beijing, China. 07/2014 – 08/2015*

- Wrote templates for Cortana's hotel reservation recognition model. Reservations in users email can be confirmed if they match any template with confidence higher than the threshold given in that template.
- Built offline processors for a personal assistant as a Microsoft Lync (now called Skype for Business) extension. The assistant can remember users' social circles and habits, and help users schedule meetings with colleagues quickly.

## TEACHING EXPERIENCE

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### **Teaching Assistant** at EECS, Peking University

*Principles of Database. Fall 2017*

*Introduction to Computer System. Spring 2018*

## **PUBLICATIONS**

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Tianyu Liu, Fuli Luo, **Qiaolin Xia**, Shuming Ma, Baobao Chang and Zhifang Sui.  
Hierarchical Encoder with Auxiliary Supervision for Neural Table-to-text Generation: Learning Better Representation for Tables. In *Proceedings of the AAAI Conference on Artificial Intelligence*, 2019.

**Qiaolin Xia**, Peng Jiang, Fei Sun, Yi Zhang, Xiaobo Wang, Zhifang Sui.  
Modeling Consumer Buying Decision for Recommendation Based on Multi-Task Deep Learning. In *Proceedings of the ACM International Conference on Information and Knowledge Management*, 2018 (Short)

Fuli Luo, Tianyu Liu, **Qiaolin Xia**, Baobao Chang, Zhifang Sui.  
Incorporating Glosses into Neural Word Sense Disambiguation. In *Proceedings of the Annual Meeting of the Association for Computational Linguistics*, 2018

Fuli Luo, Tianyu Liu, Zexue He, **Qiaolin Xia**, Zhifang Sui, Baobao Chang.  
Leveraging Gloss Knowledge in Neural Word Sense Disambiguation by Hierarchical Co-Attention. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, 2018

**Qiaolin Xia**, Lei Sha, Baobao Chang, Zhifang Sui.  
A Progressive Learning Approach to Chinese SRL Using Heterogeneous Data. In *Proceedings of the Annual Meeting of the Association for Computational Linguistics*, 2017

## **AWARDS**

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Academic Excellence Award, Peking University, 2017  
People's Choice Award, Google Girls Hackathon, 2016  
Star of Tomorrow Award, Microsoft, 2015  
Outstanding Graduate Award, Beihang University, 2015

## **SKILLS**

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*Programming Languages*: Python, Matlab, C/C++, C#, L<sup>A</sup>T<sub>E</sub>X  
*Maths & Statistical Package*: PyTorch, Theano, DyNet, Eigen, TensorFlow