

# Jiaxing Xu

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<https://angusmonroe.github.io/>



## EDUCATION

**Beihang University** Sep 2016 - Jun 2020  
*Undergraduate Software Engineering* Beijing

- Honors/Awards: Software College 2018 Innovation and Entrepreneurship Scholarship, Software College Excellent Student Leader Award

## PUBLICATION

- Jiaxing Xu, Zhaoyu Wang, Peiran Yao, Yutao Zhang and Jie Tang. ColdChat: Cold-Starting Task-Oriented Dialogue System with Template-Guided Pre-Training. In Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP'19)(submitted)

## PROFESSIONAL EXPERIENCE

**Compute Intelligence Lab, Nanyang Technological University** Jul 2019 - Present  
*Research Assistant, Advised by Yiping Ke* Singapore

- Responsible for GNN+dialog system related work

**Big Data Mining Team, Microsoft Research Asia** Mar 2019 - Jun 2019  
*Research Assistant, advised by Börje Karlsson* Beijing

- Participate in the development of intelligent assistant EDI

**Knowledge Engineering Group, Tsinghua University** Jun 2018 - Present  
*Research Assistant, advised by Jie Tang* Beijing

- Took part in AMiner dialog system NER and chatbot related work.
- Use BiLSTM-CRF-NER model and LSTM classifier to construct chatbot. An interactive visualized syntax tree help people to define question rules.

**Beihang University** Aug 2018 - Sep 2018  
*Teaching Assistant, School of Software* Beijing

- Responsible for the basic direct of ML and Python.
- The course is a primary school course designed to familiarize students with the engineering process and develop a complete project independently.

**Jiuyi (Beijing) Information Technology Co., Ltd.** Jun 2017 - Sep 2018  
*R&D Engineer, Research and Development Department* Beijing

- Leading the research and development of the "Intelligent Interrogation" internship project, mainly responsible for the training of Word2vec and LDA models.
- The project classifies the symptoms in the disease library by machine learning methods, and then recommends the corresponding medication according to the symptoms of different patients.

## LEADERSHIP EXPERIENCE

**XiaoTan Academic Dialogue System** Jan 2019 - Present  
*First Author* Beijing

- A dialogue system based on the Aminer data using the pipeline method to improve the performance of the model on small-scale data and implementation cold-start
- Responsible for model design and data processing

**QA System Development** May 2018 - Jul 2018  
*First Author* Beijing

- Generate answers to different questions using the Seq2seq model.
- Responsible for data processing and model training.

### **Automatic Generation of Smart Contracts Based on Blockchain and Natural Language Processing**

*Feb 2018 - May 2018*

*First Author*

*Beijing*

- 3rd Prize of the 28th Feng Ru Cup Science and Technology Competition
- Responsible for keyword extraction and semantic analysis

### **Intelligent Interrogation System Based on Natural Language Processing**

*Jul 2017 - May 2018*

*First Author*

*Beijing*

- 3rd Prize of the 28th Feng Ru Cup Science and Technology Competition
- Participated in the Beijing University of Aeronautics and Astronautics Innovation and Entrepreneurship Program and received 7500 yuan of research funding
- Responsible for data acquisition and model training

### **Food QA System**

*Jun 2017 - Aug 2017*

*Second Author*

*Beijing*

- 2017 Baidu Star Developers Competition, seventh place
- Building a task-oriented gourmet question answering system using traditional pipeline methods
- Responsible for designing intents and vocabulary in UNIT

## **Community and Organizational Experience**

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### **Student Union of Software School**

*Jul 2017 - Present*

*Minister*

*Beijing*

- The contact agency cooperates with the company to provide financial support for various activities of the college and to cooperate with other school colleges.
- Participated in the 2017 Amethyst Ten School Ballroom
- Participated in the Microsoft Asia Academy Internship Sharing Session

### **HP DreamWorks**

*Jun 2017 - Present*

*Campus Captain*

*Beijing*

- Hosted the "HP Campus" Campus Engineer Training Program
- Participated in HP product research twice
- Two "HP Service Day" events