

# Jiaxing Xu

+86156-5257-6713 | jiaxing\_xu@outlook.com

Beihang University, Xueyuan Road No.37, Beijing, China | <https://angusmonroe.github.io/>



## EDUCATION

<b>Beihang University</b>	<i>Sep 2016 - Jun 2020</i>
<i>Undergraduate Software Engineering</i>	<i>Beijing</i>
<ul style="list-style-type: none"><li>Honors/Awards: Yuanhang Undergraduate Summer Overseas Research Scholarship, Software College 2018 Innovation and Entrepreneurship Scholarship, Software College Excellent Student Leader Award</li></ul>	
<b>Nanyang Technological University</b>	<i>Jul 2019 - Sep 2019</i>
<i>Visiting Student Computer Science and Engineering</i>	<i>Singapore</i>

## 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 58th Annual Meeting of the Association of Computational Linguistics (ACL'20)(submitted).
- Jiangneng Li\*, **Jiaxing Xu\***, Cheng Long. TAS-LSTM: Predicting Sports Trajectory under Team Aware Situations. In Proceedings of the 24th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD'20)(submitted).

## PROFESSIONAL EXPERIENCE

<b>Knowledge Engineering Group, Tsinghua University</b>	<i>Jun 2018 - Present</i>
<i>Research Assistant, advised by Jie Tang</i>	<i>Beijing</i>
<ul style="list-style-type: none"><li>Took part in AMiner dialog system NER and chatbot related work.</li><li>Use BiLSTM-CRF-NER model and LSTM classifier to construct chatbot. An interactive visualized syntax tree help people to define question rules.</li></ul>	
<b>Compute Intelligence Lab, Nanyang Technological University</b>	<i>Jul 2019 - Sep 2019</i>
<i>Research Assistant, Advised by Yiping Ke</i>	<i>Singapore</i>
<ul style="list-style-type: none"><li>Responsible for GNN+dialog system related work. We consider to construct a graph by using the knowledge and use GNN to learn the construction feature from the graph. Then combine the GNN output with the origin encoder to improve the dialog agent.</li><li>Participate in the work of TAS-LSTM and improve the trajectory prediction effect with the information of graph format.</li></ul>	
<b>Big Data Mining Team, Microsoft Research Asia</b>	<i>Mar 2019 - Jun 2019</i>
<i>Research Assistant, advised by Börje Karlsson</i>	<i>Beijing</i>
<ul style="list-style-type: none"><li>Participate in the development of intelligent assistant Enterprise Deep Intelligence(EDI).</li><li>Completed dialog management of the system based on C#.</li></ul>	
<b>School of Software, Beihang University</b>	<i>Aug 2018 - Sep 2018</i>
<i>Teaching Assistant of The Practice of Programming</i>	<i>Beijing</i>
<ul style="list-style-type: none"><li>Responsible for the basic directions of ML and Python.</li><li>The course is a summer program designed to familiarize students with the engineering process and develop a complete project independently.</li></ul>	
<b>Jiuyi (Beijing) Information Technology Co., Ltd.</b>	<i>Jun 2017 - Sep 2018</i>
<i>R&amp;D Engineer, Research and Development Department</i>	<i>Beijing</i>
<ul style="list-style-type: none"><li>Leading the research and development of the "Intelligent Interrogation" internship project, mainly responsible for the training of Word2vec and LDA models.</li><li>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.</li></ul>	

## LEADERSHIP EXPERIENCE

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### XiaoTan Academic Dialogue System

Jan 2019 - Jun 2019

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 - Jul 2019

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 - Jul 2019

Campus Captain

Beijing

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