

Jiaxing Xu

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EDUCATION

Beihang University

Sep 2016 - Jun 2020

Undergraduate Software Engineering

Beijing

- Honors/Awards: Yuanhang Undergraduate Summer Overseas Research Scholarship, 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 55th 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

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.

Compute Intelligence Lab, Nanyang Technological University

Jul 2019 - Sep 2019

Research Assistant, Advised by Yiping Ke

Singapore

- 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.
- Participate in the work of TAS-LSTM and improve the trajectory prediction effect with the information of graph format.

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.

School of Software, Beihang University

Aug 2018 - Sep 2018

Teaching Assistant of The Practice of Programming

Beijing

- Responsible for the basic directions of ML and Python.
- The course is a summer program 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 - 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

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