Xisen Jin

CONTACT INFORMATION

Department of Computer Science and Technology
Fudan University, Shanghai, China

Mobile: +86 15802131326
E-mail: xsjin15@fudan.edu.cn
Webpage:https://aucson.github.io

RESEARCH INTERESTS

Natural Language Processing

- Dialogue Systems, Question answering

Machine Learning

- Semi-supervised learning, Reinforcement learning

EDUCATION

Fudan University, Shanghai, China
- Undergraduate, From Sep. 2015 to Jul. 2019
- GPA: 3.86/4.00, Ranking: 1/117
- Major GPA: 3.97/4.00, Ranking: 1/117

National University of Singapore, Singapore
- Non-graduating Exchange Student, From Aug. 2017 to Dec. 2017
- GPA: 4.00/4.00

WORKING EXPERIENCE

Microsoft Research Asia, Beijing, China

Research Intern, From Jul. 2018 to Oct. 2018

- Advisor: Dr. Nan Duan, Dr, Ming Zhou

Data Science Lab, **JD.com**, Beijing, China

Research Intern, From Dec. 2017 to Feb. 2018

- Advisor: Dr. Zhaochun Ren, Dr. Dawei Yin

Web Information Retrieval / Natural Language Processing Group (WING), National University of Singapore

Research Assistant, From Aug. 2017 to Dec. 2017

- Director: Wenqiang Lei, Dr. Min-Yen Kan

Natural Language Processing Group, School of Data Science, Fudan University

Research Assistant, From Oct. 2016 to present

- Director: Dr. Zhongyu Wei

PUBLICATIONS

1. **Xisen Jin**, Wenqiang Lei, Hongshen Chen, Zhaochun Ren, Eric Zhao and Dawei Yin. Explicit State Tracking with Semi-Supervision for Neural Dialogue Generation, *CIKM 2018*, Full paper.

   This work proposes a ubiquitous semi-supervised state tracking mechanism for both task-oriented-dialogue and non-task-oriented dialogue models. We propose a state tracking mechanism based on a text sequences and propose Copyflow Networks and posterior regularization for training. Our model achieves state-of-the-art performance in multiple datasets.

2. Wenqiang Lei, **Xisen Jin**, Min-Yen Kan, Zhaochun Ren, Xiangnan He and Dawei Yin. Sequicity: Simplifying Task-oriented Dialogue Systems with Single Sequence-to-Sequence Architectures. *ACL 2018*. Full paper.

   This work proposes a simplistic fully end-to-end trainable framework for task-oriented dialogue systems. It reduces model complexity by a magnitude, while significantly outperforms state-of-the-art pipeline based models. Specifically, our model guarantees strong out-of-vocabulary capability and task completion with a modified sequence-to-sequence structure and reinforcement learning.

Selected Scholarships and Awards

(0-2%)National Scholarship for Undergraduates, 2016
(0-2%)National Scholarship for Undergraduates, 2017
(0-5%)Scholarship for computer science elite program, First Prize
16/1000 in Microsoft Beauty of Programming Contest: *Document and KB based question answering*, China, 2017

Abilities

Proficient in Python, PyTorch;
Familiar with C++, Java, Web and Mobile development;
105 for TOEFL IBT;
Independent research ability;
Communication skills, insights for problems and motivations for research;