

Junqi Dai

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Education

School of Computer Science

MASTER IN COMPUTER SCIENCE

Advisor: Prof. Xipeng Qiu

Fudan University

Sept. 2019 - Jan. 2022 (Expected)

College of Foreign Languages and Literatures

B.A. IN KOREAN LANGUAGE AND LITERATURE

Fudan University

Sept. 2015 - Jun. 2019

Research Experience

Aspect-Based Sentiment Analysis

FUDAN NLP LAB

Fudan, Shanghai

Jun. 2020 - Present

- Focused on Aspect-Based Sentiment Analysis based on Pre-trained Models. We explore the explainability for the performance gain based on the pre-trained models from the perspective of the dependency trees. We finally propose a simple and strong baseline model based on RoBERTa model. Moreover, we propose a unified generative framework for the overall task of aspect-based sentiment analysis. We manage to convert all subtasks to an index sequence generation task. With the generative pre-trained BART model, we achieve significant improvement.

Dialogue Semantic Parsing

ML SOLUTIONS LAB, INTERN

Amazon, Shanghai

Jun. 2021 - Present

- Advisor: Prof. Zheng Zhang, Xiangkun Hu
- Focused on semantic parsing for task-oriented dialogue systems. We proposed a new form of meaning representation which is both representative and flexible. The final work is under ACL Rolling Review (ARR) currently. Moreover, we are conducting research on the subsequent components for the task-oriented dialogue system, including Dialogue State Tracking and Dialogue Generation.

Publications

EXPLAINABOARD: An Explainable Leaderboard for NLP 🔗

PENGFEI LIU, JINLAN FU, YANG XIAO, WEIZHE YUAN, SHUAICHENG CHANG, **JUNQI DAI**, YIXIN LIU, ZIHUIWEN YE, GRAHAM NEUBIG

- **ACL 2021, Best Demo Paper**

A Unified Generative Framework for Aspect-based Sentiment Analysis 🔗

HANG YAN*, **JUNQI DAI***, TUO JI, XIPENG QIU, ZHENG ZHANG

- Equal Contribution
- **ACL 2021, Long paper, Oral Presentation**

Does syntax matter? A strong baseline for Aspect-based Sentiment Analysis with RoBERTa 🔗

JUNQI DAI*, HANG YAN*, TIANXIANG SUN, PENGFEI LIU, XIPENG QIU

- **NAACL 2021, Long paper**

A Unified Generative Framework for Various NER Tasks 🔗

HANG YAN, TAO GUI, **JUNQI DAI**, QIPENG GUO, ZHENG ZHANG, XIPENG QIU

- **ACL 2021, Long paper**

Honors & Awards

FanHai Scholarship, Fudan University

Awarded to 10 postgraduate students around the whole Fudan University.

2021

SuZhou YuCai Scholarship, Fudan University

2021

Outstanding Graduate, Fudan University

2019

