Xiachong Feng

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SUMMARY

I am a Ph.D. student from Harbin Institute of Technology, a member of Text Generation Group of HIT-SCIR Lab under the supervision of Prof. Bing Qin and A.P Xiaocheng Feng. I am also a remote intern at NUS-WING Lab, advised by Prof. Min-Yen Kan.

Previously, I concentrated my efforts on summarization and was absorbed in the dialogue summarization task. At present, I primarily investigate how dialogue summarization can benefit downstream tasks, particularly how it can advance lifelong autonomous agent interaction.

RESEARCH INTEREST

Text Generation, Summarization, AI + Neuroscience.

EDUCATION

Harbin Institute of Technology   Sep.2018 - Mar.2024 (Expected)
Ph.D. in Computer Science.
Supervisors: Prof. Bing Qin and A.P. Xiaocheng Feng.

Harbin Institute of Technology   Sep.2014 - Jun.2018
B.E. in Software Engineering.
Rank: 3/167

EXPERIENCE

WING, National University of Singapore   Aug.2020 - Present
Remote Intern
Supervisor: Prof. Min-Yen Kan

PUBLICATION

A Survey on Dialogue Summarization: Recent Advances and New Frontiers
Xiachong Feng, Xiaocheng Feng, Bing Qin
IJCAI 2022

Language Model as an Annotator: Exploring DialoGPT for Dialogue Summarization
Xiachong Feng, Xiaocheng Feng, Libo Qin, Bing Qin, Ting Liu
ACL 2021

Dialogue Discourse-Aware Graph Model and Data Augmentation for Meeting Summarization
Xiachong Feng, Xiaocheng Feng, Bing Qin, Xingwei Geng
IJCAI 2021

Incorporating Commonsense Knowledge into Abstractive Dialogue Summarization via Heterogeneous Graph Networks
Xiachong Feng, Xiaocheng Feng, Bing Qin, Ting Liu
CCL 2021, Best Paper Award

Improving Low Resource Named Entity Recognition using Cross-lingual Knowledge Transfer
Xiaocheng Feng, **Xiachong Feng**, Bing Qin, Zhangyin Feng, Ting Liu
IJCAI 2018

MSAMSum: Towards Benchmarking Multi-lingual Dialogue Summarization
Xiachong Feng, Xiaocheng Feng, Bing Qin
ACL 2022 DialDoc Workshop

Dialogue Context Modelling for Action Item Detection: Solution for ICASSP 2023 Mug Challenge Track 5
Jie Huang, **Xiachong Feng**, Yangfan Ye, Liang Zhao, Xiaocheng Feng, Bing Qin, Ting Liu
ICASSP 2023 Challenge

PREPRINT

Adapter-based Selective Knowledge Distillation for Federated Multi-domain Meeting Summarization
Xiachong Feng, Xiaocheng Feng, Xiyuan Du, Min-Yen KAN, Bing Qin
Under Review. Submitted to ACM Transactions on Information Systems (TOIS)

Semantic-aware Contrastive Learning for Electroencephalography-to-Text Generation with Curriculum Learning
Xiachong Feng, Xiaocheng Feng, Bing Qin
Under Review (Major Revision). Submitted to IEEE Transactions on Neural Systems and Rehabilitation Engineering (TNSRE)

The Role of Summarization in Generative Agents: A Preliminary Perspective
Xiachong Feng, Xiaocheng Feng, Bing Qin
arXiv Preprint 2023

Hierarchical Catalogue Generation for Literature Review: A Benchmark
Kun Zhu, Xiaocheng Feng, **Xiachong Feng**, Yingsheng Wu, Bing Qin
arXiv Preprint 2023

The Factual Inconsistency Problem in Abstractive Text Summarization: A Survey
Yichong Huang, **Xiachong Feng**, Xiaocheng Feng, Bing Qin
arXiv Preprint 2021

PATENTS

Dialogue Summarization System Using DialoGPT as A Feature Annotator
1st student author. No.CN113204627B

A Method for Abstractive Dialogue Summarization by Incorporating Commonsense Knowledge
1st student author. No.CN112148863B

A Method for Abstractive Meeting Summarization Based on Graph Convolutional Networks
1st student author. No.CN111460132B

AWARDS

Ph.D. Tencent Scholarship		2022
Ph.D. National Scholarship		2021
Ph.D. CCL Best Paper Award		2021
Ph.D. China Scholarship Council (CSC) Scholarship		2020
B.E. Outstanding Graduate Award at Provincial Level		2018
B.E. Outstanding Student Cadres at Provincial Level		2017
B.E. National Scholarship		2017
B.E. National Scholarship		2016

TEACHING   TA, NUS, Natural Language Processing: Foundations   Sep.2022-May.2023

SERVICES   *Conference Reviewer*: NeurIPS, ACL Rolling Review; ACL; EMNLP; COLING; CCL; NLPCC

COMPETITION   Qianyan: The Second Generation and Evaluation Competition for Fact Consistency
Leader of Team GPT-66. Rank 4/70.   May.2023

ICASSP 2023 General Meeting Understanding and Generation Challenge   Jan.2023
Leader of Team GPT-66.
Track 5: Action Item Detection. Rank 1st.
Track 2: Topic-level and Session-level Extractive Summarization. Rank 2nd.

PROJECTS   HIT "HuoZi" Large Language Model   2023
NLP-Course-Chinese   2023
DataLab (Summarization Part)   2022
Summarization-Papers   2021
Huawei Length-controllable Abstractive Summarization Project   2019-2020
Huawei Sentence Compression Project   2018-2019

TALK   May 2023, I gave a talk "Recent Advances in Large Language Models" at Interactive
Data Exploration System (IDEAS) lab, Shandong University.

Jan. 2022, I gave a talk "Dialogue Summarizations" at the Alibaba DAMO Academy,
Language Technology Lab, Conversational AI.

Jun. 2021, I gave a talk "Dialogue Summarizations" at the Natural Language Processing Lab at Tsinghua University: THUNLP.