

# Xiachong Feng

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Ph.D. Candidate, Text Generation Group in HIT-SCIR  
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[\[Google Scholar\]](#) [\[Github\]](#) [\[Homepage\]](#)

**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 World Wide Web: Internet and Web Information Systems (WWW Journal)*

**Semantic-aware Contrastive Learning for Electroencephalography-to-Text Generation with Curriculum Learning**  
**Xiachong Feng**, Xiaocheng Feng, Bing Qin  
*Under Review. 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**

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

<b>TEACHING</b>	TA, NUS, <a href="#">Natural Language Processing: Foundations</a>	Sep.2022-May.2023
<b>SERVICES</b>	<i>Conference Reviewer:</i> NeurIPS, ACL Rolling Review; ACL; EMNLP; COLING; CCL; NLPCC	
<b>COMPETITION</b>	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.	
<b>PROJECTS</b>	HIT "HuoZi" Large Language Model 2023 <a href="#">NLP-Course-Chinese</a> 2023 <a href="#">DataLab</a> (Summarization Part) 2022 <a href="#">Summarization-Papers</a> 2021 Huawei Length-controllable Abstractive Summarization Project 2019-2020 Huawei Sentence Compression Project 2018-2019	
<b>TALK</b>	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.	