Xiuying Chen

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EDUCATION

King Abdullah University of Science and Technology PhD in Computer Science *2021.9-now*
- Supervisors: Prof. Xiangliang Zhang and Prof. Xin Gao

Peking University Master in Computer Science *2018.9–2021.6*
- Supervisors: Prof. Prof. Rui Yan and Prof. Dongyan Zhao

Wuhan University Bachelor in Computer Science 2014.9–2018.6
- Supervisor: Prof. Qian Wang

References: Xiangliang Zhang, Xin Gao, Rui Yan

RESEARCH EXPERIENCE

National Center for Biotechnology Information, NLM, Bethesda, Maryland, U.S.
Research Intern *2023.3-now*

Microsoft, STCA, Beijing, China.
Research Intern *2022.5-2022.10*

Xiaomi Corporation, NLP center, Beijing, China.
Research Intern *2020.1-2020.12*

Inception Institute of Artificial Intelligence, Abu Dhabi, United Arab Emirates.
Research Intern *2019.3-2019.9*

SELECTED PUBLICATIONS [FULL PUBLICATION]

44 publications (23 as first/co-first) with 560 citations (* denotes equal contribution).

Topic I: AI-Generated Text for Accuracy

1. **Xiuying Chen**, Mingzhe Li, et al. A Topic-aware Summarization Framework with Different Modal Side Information. ***SIGIR 2023***

2. **Xiuying Chen**, Mingzhe Li, et al. Learning towards Selective Data Augmentation for Dialogue Generation. ***AAAI 2023***

3. Shen Gao, Xin Cheng, Mingzhe Li, **Xiuying Chen**, et al. Dialogue Summarization with Static-Dynamic Structure Fusion Graph. ***ACL 2023***

4. **Xiuying Chen**, Mingzhe Li et al. Towards Improving Faithfulness in Abstractive Summarization. ***NeurIPS 2022***.

5. Mingzhe Li, XieXiong Lin, **Xiuying Chen**, et al. Keywords and Instances: A Hierarchical Contrastive Learning Framework Unifying Hybrid Granularities for Text Generation. ***ACL 2022***.

6. **Xiuying Chen**, Zhi Cui, et al. Reasoning in Dialog: Improving Response Generation by Context Reading Comprehension. ***AAAI 2021***

7. **Xiuying Chen**, Shen Gao, et al. Iterative Document Representation Learning Towards Summarization with Polishing. ***EMNLP 2018***

8. Shen Gao, **Xiuying Chen**, et al. Abstractive Text Summarization by Incorporating Reader Comments. ***AAAI 2019***

Topic II: AI-Generated Text for Trust

1. **Xiuying Chen**, Guodong Long, et al. Improving the Robustness of Summarization Systems with Dual Augmentation. ***ACL 2023***

2. Shen Gao, Yuchi Zhang, Yongliang Wang, Yang Dong, **Xiuying Chen**, et al. HeteroQA: Learning towards question-and-answering through multiple information sources via heterogeneous graph modeling. ***WSDM 2023***

3. **Xiuying Chen**, et al. The Unsupervised Mitigation of Gender Bias by Character Components: A Case Study of Chinese Word Embedding. ***ACL GeBNLP workshop 2022***

4. Mingzhe Li*, **Xiuying Chen***, et al. The Style-Content Duality of Attractiveness: Learning to Write Eye-Catching Headlines via Disentanglement. ***AAAI 2021***

5. Shen Gao*, **Xiuying Chen***, et al. Meaningful Answer Generation of E-Commerce Question-Answering. ***TOIS 2020***

6. Shen Gao*, **Xiuying Chen***, et al. How to Write Summaries with Patterns? Learning towards Abstractive Summarization through Prototype Editing. ***EMNLP 2019***

7. Zhangming Chan*, **Xiuying Chen***, et al. Stick to the Facts: Learning towards a Fidelity-oriented E-Commerce Product Description Generation. ***EMNLP 2019***

8. Qian Wang, Minxin Du, **Xiuying Chen**, et al. Privacy-preserving collaborative model learning: The case of word vector training. ***TKDE 2018***

Topic III: AI-Generated Text for Social Media Dynamics

1. Mingzhe Li*, **Xiuying Chen***, et al. EZInterviewer: To Improve Job Interview Performance with Mock Interview Generator. ***WSDM 2023***

2. **Xiuying Chen**, Mingzhe Li, Shen Gao, et al. Follow the Timeline! Generating Abstractive and Extractive Timeline Summary in Chronological Order. ***TOIS 2022***

3. **Xiuying Chen**, Daorui Xiao, et al. RPM-Oriented Query Rewriting Framework for E-commerce Keyword-Based Sponsored Search. ***AAAI 2020***

4. Mingzhe Li*, **Xiuying Chen***, et al. VMSMO: Learning to Generate Multimodal Summary for Video-based News Articles. ***EMNLP 2020***

5. Shen Gao, **Xiuying Chen**, et al. Learning to Respond with Your Favorite Stickers: A Framework of Unifying Multi-Modality and User Preference in Multi-Turn Dialog. ***TOIS 2020***

6. Shen Gao*, **Xiuying Chen***, et al. Learning to Respond with Stickers: A Framework of Unifying Multi-Modality in Multi-Turn Dialog. ***WWW 2020***

7. Shen Gao **Xiuying Chen**, et al. From Standard Summarization to New Tasks and Beyond: Summarization with Manifold Information. ***IJCAI survey 2020***

8. **Xiuying Chen**, Zhangming Chan, Shen Gao, et al. Learning towards Abstractive Timeline Summarization. ***IJCAI 2019***

Topic IV: AI-Generated Text for Science Development

1. Shen Gao, Haotong Zhang, **Xiuying Chen**, et al. A Trend of AI Conference Convergence in Similarity: An Empirical Study Through Trans-Temporal Heterogeneous Graph. ***TKDE 2023***

2. **Xiuying Chen**, Hind Alamro, et al. Target-aware Abstractive Related Work Generation with Contrastive Learning. ***SIGIR 2022***

3. **Xiuying Chen**, Mingzhe Li, et al. Scientific Paper Extractive Summarization Enhanced by Citation Graphs. ***EMNLP 2022***

4. Zekun Wang et al. including **Xiuying Chen**. Interactive natural language processing. ***Springer Nature book***

5. **Xiuying Chen**, Hind Alamro, et al. Capturing Relations between Scientific Papers: An Abstractive Model for Related Work Section Generation. ***ACL 2021***

6. Juexiao Zhou*, **Xiuying Chen***, et al. Path to Medical AGI: Unify Domain-specific Medical LLMs with the Lowest Cost. ***Communications Medicine, under review***

7. Juexiao Zhou et al. including **Xiuying Chen**. SkinGPT-4: An Interactive Dermatology Diagnostic System with Visual Large Language Model. ***Nature Communication, under review***

8. Shubo Tian et al. including **Xiuying Chen**. Opportunities and Challenges for ChatGPT and Large Language Models in Biomedicine and Health. ***Briefings in Bioinformatics, under review***

TEACHING SERVICES

Teaching assistant, Peking University, **Introduction to Data Science**	*2020*
Teaching assistant, Peking University, **Python Programming**	*2021*
Teaching assistant, KAUST, **Data Mining and Machine Learning**	*2022*

HONORS

CEMSE Dean's List Award, KAUST	*2023*
CEMSE Dean's List Award, KAUST. **Hornbill Elite Programme**, Tencent.	*2022*
Student Travel Grant, SIGIR committee.	*2022*
Outstanding graduate, Beijing. **Outstanding graduate**, Peking University	*2021*
Special Scholarship, Peking University	*2020*
National Scholarship, Peking University. **Merit Student**, Peking University.	*2019*
Outstanding student, Institute of Computer Science & Technology of Peking University	*2019*
Luo Jia Role Model, Wuhan University. **Outstanding graduate**, Wuhan University.	*2018*
National Scholarship, Wuhan University	*2017*
National Scholarship, Wuhan University	*2014*

ACADEMIC SERVICES

AAAI, ACL, EMNLP, IJCAI, NeurIPS, WWW, SIGIR Program committee	*2023*
AAAI, ACL, EMNLP, IJCAI, SIGIR, WWW Program committee	*2022*
AAAI, ACL, EMNLP, SIGIR Program commitee, IJCAI Senior Program commitee	*2021*
CIKM, CCL Program commitee	*2020*

WEBSITE LINK

Academic webpage: `https://iriscxy.github.io/`
GitHub repositories: `https://github.com/iriscxy?tab=repositories`