

Liyan Tang

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EDUCATION

The University of Texas at Austin, Austin, TX Expected May 2026

Ph.D. in Information Studies

Advisors: Justin Rousseau F, Ying Ding

Close Collaborators: Greg Durrett, Yifan Peng

The University of Texas at Austin, Austin, TX Expected Fall 2023

M.S. in Computer Science

The University of Texas at Austin, Austin, TX May 2021

B.S. in Mathematics

RESEARCH WORKS

2023

Liyan Tang, Zhaoyi Sun, Betina Idnay, Jordan G Nestor, Ali Soroush, Pierre A. Elias, Ziyang Xu, Ying Ding, Greg Durrett, Justin Rousseau, Chunhua Weng, Yifan Peng, “Evaluating Large Language Models on Medical Evidence Summarization”, medRxiv, 2023.

Liyan Tang, Yanshan Wang, Ying Ding, Yifan Peng, Greg Durrett and Justin F. Rousseau, “Less Likely Brainstorming: Using Language Models to Generate Alternative Hypotheses”, in Findings of the 61st Annual Meeting of the Association for Computational Linguistics (ACL), 2023.

Liyan Tang, Tanya Goyal, Alexander R. Fabbri, Philippe Laban, Jiacheng Xu, Semih Yavuz, Wojciech Kryściński, Justin F. Rousseau, Greg Durrett, “Understanding Factual Errors in Summarization: Errors, Summarizers, Datasets, Error Detectors”, in Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (ACL), 2023.

2022

Liyan Tang, Shravan Kooragayalu, Yanshan Wang, Ying Ding, Greg Durrett, Justin F. Rousseau, Yifan Peng. “EchoGen: Generating Conclusions from Echocardiogram Notes”, in Proceedings of the 21st Workshop on Biomedical Language Processing (BioNLP) at ACL, 2022.

Song Wang, **Liyan Tang**, Akash Majety, Justin F. Rousseau, George Shih, Ying Ding, Yifan Peng. “Trustworthy Assertion Classification through Prompting”, in Journal of Biomedical Informatics, 2022.

Song Wang, **Liyan Tang**, Mingquan Lin, George Shih, Ying Ding, Yifan Peng, “Prior Knowledge Enhances Radiology Report Generation”, in Proceedings of American Medical Informatics Association (AMIA) Informatics Summit, 2022.

2021

Liyan Tang, Dhruv Rajan, Abhijeet Pradhan, R. Nick Bryan, Greg Durrett, “Making Document-Level Information Extraction Right for the Right Reasons, ArXiv:2110.07686, 2021.

Ajay Jaiswal, **Liyan Tang**, Meheli Ghosh, Justin Rousseau, Yifan Peng, and Ying Ding.
“RadBERT-CL: Factually-Aware Contrastive Learning For Radiology Report Classification”, in
Proceedings of Machine Learning for Health, 2021.

Yan Han, Chongyan Chen, **Liyan Tang**, Ajay Jaiswal, Mingquan Lin, Yifan Peng, Ying Ding.
“Using Radiomics as Prior Knowledge for Thorax Disease Classification and Localization in
Chest X-rays”, in Proceedings of American Medical Informatics Association Annual Symposium
(AMIA) Annual Symposium, 2021.

RESEARCH EXPERIENCE

University of Texas at Austin	September 2021 – August 2023
Graduate Research Assistant at AI Health Lab	
Advisor: Justin Rousseau F	

UT Health Science Center at Houston	May – August 2022
Graduate Research Assistant, working on report summarization	
Advisor: Guo-Qiang Zhang	

University of Texas at Austin	September 2020 – May 2021
Undergraduate Research Assistant at TAUR Lab	
Advisor: Greg Durrett	

PROFESSIONAL SERVICE

Conference Program Committee member (reviewer): EMNLP 2022, AAAI 2023, ACL 2023

SKILLS

Programming languages: Python, R, C/C++, Java
Deep Learning Platform: PyTorch