

# Liyan Tang

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## EDUCATION

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**The University of Texas at Austin**, Austin, TX

Expected May 2026

Ph.D. in Information Studies

Advisors: Ying Ding, Greg Durrett

Close Collaborators: Justin F Rousseau, Yifan Peng

**The University of Texas at Austin**, Austin, TX

December 2023

M.S. in Computer Science

**The University of Texas at Austin**, Austin, TX

May 2021

B.S. in Mathematics

## RESEARCH WORKS

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### 2024

**Liyan Tang**, Philippe Laban, Greg Durrett, “MiniCheck: Efficient Fact-Checking of LLMs on Grounding Documents”, ArXiv: 2404.10774, 2024.

**Liyan Tang**, Igor Shalymov, Amy Wing-mei Wong, Jon Burnsky, Jake W. Vincent, Yu’an Yang, Siffi Singh, Song Feng, Hwanjun Song, Hang Su, Lijia Sun, Yi Zhang, Saab Mansour, Kathleen McKeown, “TofuEval: Evaluating Hallucinations of LLMs on Topic-Focused Dialogue Summarization”, in Proceedings of the North American Chapter of the Association for Computational Linguistics (NAACL), 2024.

### 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”, in npj Digital Medicine, 2023.

**Liyan Tang**, Yifan Peng, Yanshan Wang, Ying Ding, 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.

Zhaoyi Sun, Hanley Ong, Patrick Kennedy, **Liyan Tang**, Shirley Chen, Jonathan Elias, Eugene Lucas, George Shih, Yifan Peng, “Evaluating GPT4 on Impressions Generation in Radiology Reports”, in Radiology, 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.

## WORK EXPERIENCE

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<b>Amazon</b> Applied Scientist Intern	May 2023 – Oct 2023
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## PROFESSIONAL SERVICE

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Conference Program Committee member (reviewer): EMNLP (2022, 2023), AAAI (2023, 2024), ACL 2023, NAACL 2024

## SKILLS

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