

SANXING CHEN

CONTACT INFORMATION	sanxing.chen@duke.edu	
	https://sanxing.ai	
	Google Scholar	
EDUCATION	Duke University (Durham)	Aug. 2022 - Present
	<i>Ph.D. Candidate in Computer Science</i>	
	Advisor: <i>Bhuwan Dhingra</i>	
	University of Virginia (Charlottesville)	Aug. 2019 - Dec. 2020
	<i>M.S. in Computer Science</i>	
	Advisor: <i>Yangfeng Ji</i>	
	China University of Geosciences (Beijing)	Sept. 2015 - Jun. 2019
	<i>Bachelor of Computer Science</i>	
INDUSTRY EXPERIENCE	Bing Ads, Microsoft	
	Applied Scientist	Jul. 2021 - Aug. 2022
	Building graph-based models for ads-related text understanding, serving web-scale scenarios including extended query-keyword matching and rich ad decorations.	
INTERNSHIPS	Google Research	
	Research Intern <i>with Evelyn Walker and Rama Pasumarthi</i>	May. 2026 - Oct. 2026
	RL post-training of MLE-agents with tail-risk awareness and exploration guarantees.	
	Google DeepMind	
	Student Researcher <i>with Wei Li, Chris Rawles, and Oriana Riva</i>	Jun. 2024 - Nov. 2024
	Explorative continual learning agents on mobile UI automation tasks.	
	Deep Learning Group, Microsoft Research	
	Research Intern <i>with Xiaodong Liu, Hao Cheng, and Jianfeng Gao</i>	Mar. 2021 - Jun. 2021
	Large-scale pretraining of Transformer-based knowledge graph representation.	
	Bing Ads, Microsoft	
	Data Scientist Intern <i>with Xiaodong Liu and Jian Jiao</i>	May. 2020 - Aug. 2020
	Knowledge Computing Group, Microsoft Research Asia	
	Intern <i>with Guoxin Wang and Börje Karlsson</i>	Mar. 2019 - Jun. 2019
	Big Data Mining Group, Microsoft Research Asia	
	Intern <i>with Börje Karlsson</i>	Feb. 2018 - Sep. 2018
PUBLICATIONS	<i>Planetary Prediction Engine: Autonomous Geospatial Prediction via Intelligent Data Selection and Foundation Model Embeddings</i>	
	Evelyn Ma, Rama Kumar Pasumarthi, Kishwar Shafin, Mandar Sharma, Mimi Sun, Hamed Sadeghi, Dav M. Ebengo, Mbulayi Onesime, Rouslan Solomakhin, John Wamburu, William Ogallo, Aisha Walcott-Bryant, Sanxing Chen , Arbaaz Muslim, Yael Mayer, Ronald Ho, Roy Lee, Ruth Alcantara, Abdoulaye Diack, Monica Bharel, Lambert Rosique, Jeremy Ameiz-Droz, Christopher Haire, James Manyika, Yossi Matias, Niv Efron, Gautam Prasad, Shravya Shetty	
	<i>Google Research Technical Report, 2026</i> <i>arXiv:2608.26088.</i>	
	<i>When Greedy Wins: Emergent Exploitation Bias in Meta-Bandit LLM Training</i>	
	Sanxing Chen , Xiaoyin Chen, Yukun Huang, Roy Xie, Bhuwan Dhingra	
	<i>In ICLR, 2026</i> <i>arXiv:2509.24923.</i>	

Cite Pretrain: Retrieval-Free Knowledge Attribution for Large Language Models
Yukun Huang, **Sanxing Chen**, Jian Pei, Manzil Zaheer, Bhuwan Dhingra
In ICLR, 2026
arXiv:2506.17585.

SearchAtlas: Analyzing Agentic Search Strategies via Evidential Query Graphs
Jiacheng Sang, Mengyuan Li, **Sanxing Chen**, Yukun Huang, Yu Feng, Bhuwan Dhingra
EMNLP findings, 2026
arXiv:2609.10901.

Lazy Grounding: Attacking Search Agents with Factual Evidence
Yulin Zhang, Yukun Huang, **Sanxing Chen**, Tianyi Lin, Ziang Yang, Xunjian Yin, Bhuwan Dhingra
In EMNLP (main), 2026
arXiv:2608.30303.

Real-time Factuality Assessment from Adversarial Feedback
Sanxing Chen, Yukun Huang, Bhuwan Dhingra
In ACL (main), 2025
arXiv:2410.14651.

Enhancing Large Language Models' Situated Faithfulness to External Contexts
Yukun Huang, **Sanxing Chen**, Hongyi Cai, Bhuwan Dhingra
In ICLR (Spotlight), 2025
arXiv:2410.14675.

Tailoring Vaccine Messaging with Common-Ground Opinions
Rickard Stureborg, **Sanxing Chen**, Ruoyu Xie, Aayushi Kunjal Patel, Christopher Li, Chloe Zhu, Tingnan Hu, Jun Yang, Bhuwan Dhingra
NAACL findings, 2024
arXiv:2405.10861.

ChatShop: Interactive Information Seeking with Language Agents
Sanxing Chen, Sam Wiseman, Bhuwan Dhingra
arXiv:2404.09911.

Pre-training Transformers for Knowledge Graph Completion
Sanxing Chen, Hao Cheng, Xiaodong Liu, Jian Jiao, Yangfeng Ji, Jianfeng Gao
Preprint, 2023
arXiv:2303.15682.

HittER: Hierarchical Transformers for Knowledge Graph Embeddings
Sanxing Chen, Xiaodong Liu, Jianfeng Gao, Jian Jiao, Ruofei Zhang, Yangfeng Ji
EMNLP, 2021.
arXiv:2008.12813.

A Tale of Two Linkings: Dynamically Gating between Schema Linking and Structural Linking for Text-to-SQL Parsing
Sanxing Chen, Aidan San, Xiaodong Liu, Yangfeng Ji
COLING, 2020.
arXiv:2009.14809.

Exploring Word Representations on Time Expression Recognition
Sanxing Chen, Guoxin Wang, Börje Karlsson
MSR Technical Report. May 2019.

HONORS AND AWARDS

Bronze Medal <i>The ICPC International Collegiate Programming Contest, Qingdao</i>	Nov. 2017
Bronze Medal <i>The ICPC International Collegiate Programming Contest, Nanning</i>	Nov. 2017