

Tenghao Huang

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Research interests LLM Agent, Information Retrieval, Retrieval Augmented Generation

Education **University of Southern California** Los Angeles
Ph.D., Computer Science Expected May 2027
Advised by Prof. Jonathan May and Prof. Muhao Chen

University of North Carolina at Chapel Hill Chapel Hill
B.S., Computer Science, B.S., Mathematics Aug 2018 - May 2022
Advised by Prof. Snigdha Chaturvedi and Prof. Colin Raffel

Publications **R2D2: Remember, Reflect and Dynamic Decision Making for Web Agents**
[T Huang](#), I Abdelaziz, K Basu, A Munawar, P Kapanipathi. *In Submission to ARR.*

Are LLMs Capable of Generating Human-Level Narratives?
[T Huang*](#), [Y Tian*](#), M Liu, D Jiang, A Spangher, M Chen, J May, N Peng. *EMNLP 2024*
Outstanding Paper Award 🏆

Red Teaming Language Models for Contradictory Dialogues
X Wen, B Li, [T Huang](#), M Chen. *EMNLP 2024*

Planning and Editing What You Retrieve for Enhanced Tool Learning
[T Huang](#), D Jung, M Chen. *Findings of NAACL 2024*

FoodPuzzle: Developing LLM Agents as Flavor Scientists
[T Huang](#), D Lee, J Sweeney, J Shi, E Steliotes, M Lange, J May, M Chen.
The NLP4Science Workshop at EMNLP, 2024

Affective and Dynamic Beam Search for Story Generation
[T Huang](#), E Qasemi, B Li, H Wang, F Brahman, M Chen, S Chaturvedi. *Findings of EMNLP 2023*

Few-shot parameter-efficient fine-tuning is better and cheaper than in-context learning
H Liu, D Tam, M Muqeeth, J Mohta, [T Huang](#), M Bansal, C Raffel. *NeurIPS 2022*

Read Top News First: A Document Reordering Approach for Multi-document News Summarization
[T Huang*](#), C Zhao*, SBR Chowdhury, S Chaturvedi. *Findings of ACL 2022.*

Uncovering Implicit Gender Bias in Narratives through Commonsense Inference

T Huang, F Brahman, V Shwartz, S Chaturvedi. *Findings of EMNLP 2021*.

Revisiting Generative Commonsense Reasoning: A Pre-Ordering Approach

C Zhao, F Brahman, T Huang, S Chaturvedi. *Findings of NAACL 2021*.

Talks and tutorials	Affect Theories X AI Hosted by Professor Dennis Tenen at Columbia University	September 2023
Industry Experience	IBM Waston Research Research Scientist Intern	Yorktown Heights, New York Summer 2024
	Amazon Alexa AI Applied Scientist Intern	Bellevue, Washington Summer 2023
	Lexis Nexis Software Engineer Intern	Raleigh, North Carolina Summer 2020
	Awards	Outstanding Paper Award at EMNLP USC-ISI Distinguished Graduate Researcher Fellowship ICML travel award NAACL travel award Stephen F. Weiss Award nomination at UNC
Teaching Experience	Guest Lecturer COMP 590: Natural Language Processing	UNC-CH Spring 2022
	Teaching Assistant CSCI 567: Machine Learning	USC Fall 2023
	Service and outreach	Organizer: GirlsWhoCode Reviewer: ACL, IJCNLP-AAACL, EMNLP, ARR.