

Yu-Chien (Tommy) Tang

Ph.D. Student, Institute of Computer Science and Engineering, National Yang Ming Chiao Tung University

tommytyc.cs13@nycu.edu.tw +886-961-316-177

tommytyc.github.io github.com/tommytyc linkedin.com/in/tommytyc

Research Interests

Large Language Models; Information Retrieval; Question Answering; Educational AI; Multimodal NLP; Data-Centric NLP.

Education

Ph.D. in Computer Science <i>National Yang Ming Chiao Tung University</i>	2024–Present <i>Expected 2028</i>
M.S. in Computer Science <i>National Yang Ming Chiao Tung University</i>	2021–2023
B.S. in Computer Science <i>National Yang Ming Chiao Tung University</i>	2017–2021

Experience

AI Engineer <i>TSMC</i>	Jan 2024–Apr 2025 <i>NLP / LLM / DevOps</i>
Developed an LLM-driven chatbot for business intelligence use cases, including cross-document summarization and question answering with retrieval-augmented generation.	
Machine Learning & Deep Learning Engineer Intern <i>MediaTek</i>	Sep 2022–Mar 2023 <i>NLP / Distributed Computing</i>
Fine-tuned language models to automatically classify queries from engineers.	
Database and Backend Developer <i>NCAP, NYCU CS</i>	Jul 2021–Jun 2022 <i>Django / Docker / MySQL / Shell / Git</i>
Built database and backend systems for a LinkedIn-like communication platform for NCTU CS alumni.	
Database Developer <i>CSCA, NCTU CS</i>	Jul 2019–Jan 2021

Selected Publications

- Wei-Ling Hsu, **Yu-Chien Tang**, An-Zi Yen. “MathEDU: Feedback Generation on Problem-Solving Processes for Mathematical Learning Support.” *EACL 2026*. paper
- Yow-Fu Liou, **Yu-Chien Tang**, An-Zi Yen. “Obedience or Vigilance? How Large Language Models React to Malicious Multiple-Choice Options.” *AAAI 2026 Student Abstract*. paper
- Yong-En Tian*, **Yu-Chien Tang***, Kuang-Da Wang, An-Zi Yen, Wen-Chih Peng. “Template-Based Financial Report Generation in Agentic and Decomposed Information Retrieval.” *SIGIR 2025*. paper
- Yow-Fu Liou, **Yu-Chien Tang**, An-Zi Yen. “Stay Hungry, Stay Foolish: On the Extended Reading Articles Generation with LLMs.” *AAAI 2025 iRAISE Workshop*. paper
- Yu-Chien Tang**, Wei-Yao Wang, An-Zi Yen, Wen-Chih Peng. “RSVP: Customer Intent Detection via Agent Response Contrastive and Generative Pre-Training.” *Findings of EMNLP 2023*. paper
- Yu-Chien Tang***, Kuang-Da Wang*, Ting-Yun Ou*, Wen-Chih Peng. “NYCU-TWO at Memotion 3: Good Foundation, Good Teacher, then You Have Good Meme Analysis.” *AAAI 2023 De-Factify 2 Workshop*. paper
- Wei-Yao Wang*, **Yu-Chien Tang***, Wei-Wei Du*, Wen-Chih Peng. “NYCU_TWD@LT-EDI-ACL2022: Ensemble Models with VADER and Contrastive Learning for Detecting Signs of Depression from Social Media.” *ACL 2022 LT-EDI Workshop*. paper

Teaching

Teaching Assistant, Introduction to NLP <i>NYCU CS</i>	Spring 2026
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Teaching Assistant, Information Retrieval <i>NYCU CS</i>	Fall 2025
Teaching Assistant, Introduction to NLP <i>NYCU CS</i>	Fall 2024
Teaching Assistant, Data Science Project <i>NYCU CS</i>	Fall 2022
Teaching Assistant, Introduction to Database System <i>NCTU CS</i>	Spring 2021

Services

- Reviewer: IJCAI'25, ACL'25, EMNLP'25, AAAI'26, ROCLING'25, EACL'26, SIGIR'26.

Scholarships & Awards

- 2025 AAAI Student Scholar & Volunteer Program.
- 2024 NSTC Graduate Research Fellowship Program.
- 2023 Appier Artificial Intelligence and Information Technology Top Research Award Program.
- 2023 AAAI Student Scholar & Volunteer Program.
- 2020 MOST College Student Research Scholarship Program.