

DONGDING LIN

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GitHub: github.com/DongdingLin • Google Scholar: [Google Scholar](#) • Target Role: LLM Research Engineer / Applied Scientist

SUMMARY

PhD candidate at The Hong Kong Polytechnic University with research focus on **LLM reasoning, conversational AI, and multimodal LLMs**. Strong end-to-end experience in problem formulation, data construction, model design, and reproducible evaluation. Proven publication record in ACM MM, ACL, AAAI, TOIS, and TNNLS.

EDUCATION

The Hong Kong Polytechnic University	Sept. 2022 – Present
PhD Candidate, Department of Computing (NLP Group)	Hong Kong, China
Sun Yat-sen University	Sept. 2017 – Jul. 2020
M.Eng. in Computer Technology, GPA: 3.9/4.0	Guangzhou, China
Sun Yat-sen University	Sept. 2013 – Jul. 2017
B.Eng. in Software Engineering, GPA: 3.8/4.0 (Rank: 37/433)	Guangzhou, China

EXPERIENCE

Huawei Hong Kong Research Center (HKRC), Fermat Lab	Aug. 2025 – Present
Research Intern	Hong Kong, China
• Developed LLM-oriented mathematical reasoning data for industrial scenarios and iterative model training.	
• Designed data curation and quality checks to improve consistency of supervision and evaluation signals.	
NLP Group, The Hong Kong Polytechnic University	Dec. 2022 – Present
Research Assistant / PhD Research	Hong Kong, China
• Research focus: situated conversational recommendation, LLM reasoning, and multimodal understanding.	
• Led projects from task definition and benchmark creation to baseline implementation and paper submission.	
• Published first-author / co-first papers in top-tier venues and journals.	
NLP Group, The Hong Kong Polytechnic University	Jul. 2021 – Dec. 2022
Research Assistant	Hong Kong, China
• Studied target-oriented dialogue planning and conversational recommendation frameworks.	
• Built planning-enhanced generation pipelines for proactive and controllable dialogue.	
Collective Intelligence Systems Lab, Sun Yat-sen University	Feb. 2018 – Jul. 2020
Research Assistant	Guangzhou, China
• Worked on machine reading comprehension, proposing hierarchical information transmission and memory-flow mechanisms.	

SELECTED PROJECTS (LLM)

SCREEN: A Benchmark for Situated Conversational Recommendation	ACM MM 2024
• Proposed a new task setting for situated conversational recommendation.	
• Built a benchmark with 20k+ dialogues over 1.5k scenarios via multimodal role-playing generation.	
• Designed subtasks and baseline evaluations to support future model development and comparison.	
MIDI-Tuning: Instruct Once, Chat Consistently in Multiple Rounds	ACL 2024
• Proposed a role-aware tuning framework for multi-round dialogue consistency.	
• Improved stability of agent behavior with efficient adapter-based training strategy.	
TRIP: Target-constrained Bidirectional Planning	TOIS 2024
• Introduced look-ahead/look-back bidirectional planning for target-oriented proactive dialogue.	
• Improved path quality and controllability for downstream dialogue generation.	

SELECTED PUBLICATIONS

- **Dongding Lin**, Jian Wang, Chak Tou Leong, Wenjie Li. SCREEN: A Benchmark for Situated Conversational Recommendation. *ACM MM 2024*.
- Jian Wang, **Dongding Lin**, Wenjie Li. Target-constrained Bidirectional Planning for Generation of Target-oriented Proactive Dialogue. *TOIS 2024*.
- Jian Wang, Chak Tou Leong, Jiashuo Wang, **Dongding Lin**, Wenjie Li, Xiao-Yong Wei. Instruct once, chat consistently in multiple rounds: An efficient tuning framework for dialogue. *ACL 2024*.
- Jian Wang, Yi Cheng, **Dongding Lin**, et al. Target-oriented proactive dialogue systems with personalization. *EMNLP 2023*.
- **Dongding Lin***, Jian Wang*, Wenjie Li. COLA: Improving Conversational Recommender Systems by Collaborative Augmentation. *AAAI 2023*.
- Jian Wang*, **Dongding Lin***, Wenjie Li. Dialogue Planning via Brownian Bridge Stochastic Process for Goal-directed Proactive Dialogue. *ACL Findings 2023*.

ACADEMIC SERVICES & TEACHING

- Reviewer: ACL Rolling Review (ARR), ACL, EMNLP, ACM MM.
- Teaching Assistant: *Natural Language Processing* (2024/25 S2, 2023/24 S2), *Data Structures and Database Systems* (2024/25 S1), *Mobile Computing* (2023/24 S1).

SKILLS

Programming	Python, C/C++, Java, JavaScript, SQL, MATLAB
ML Stack	PyTorch, TensorFlow, Hugging Face, Scikit-learn
Research Areas	LLM reasoning, dialogue systems, conversational recommendation, multimodal understanding
Tools	Linux, Git, LaTeX

AWARDS

- Ranked **4/750** in 2021 Language and Intelligence Challenge (Baidu).
- Ranked **4/119** in Materials Quality Prediction Kaggle Competition.
- Outstanding Graduate Award (Top 3%), Excellent Graduation Thesis (Top 3%), Sun Yat-sen University.
- First/Second/Third Prize Scholarships during undergraduate and postgraduate study.