Hongpeng Lin

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RESEARCH   Multi-modal Dialogue, Natural Language Processing, Multi-modal
INTERESTS   Understanding, etc.

EDUCATION   **Gaoling School of AI, Renmin University of China**   2021-2024
M.S. in Artificial Intelligence
Advisor: Ruihua Song

Xidian University   2017-2021
B.S. in Software Engineering

EMPLOYMENT   **Research Intern**, Xianyuan Technology   2023.5-2023.8
HISTORY   Project: Involved in LLM's SFT to enhance its mathematical logic
reasoning ability. Currently, working on the design and training of
multi-modal large language models (e.g., MiniGPT-4).

Research Intern, Kuaishou Technology   2021.12-2022.4
Project: Participated in the pre-training of the video-text multi-modal
model - Wenlan 3.0(like CLIP's two tower architecture). Responsible
for model training and offline task testing.

Research Intern, Beijing Academy of AI (BAAI)   2021.10-2021.12
Project: Multi-modal data crawling and pre-processing.

Research Intern, Tencent AI Lab   2021.7-2021.8
Project: Development and maintenance of the multi-modal dialogue
WeChat mini-program "Malilaipei.

PUBLICATIONS   **TikTalk: A Video-Based Dialogue Dataset for Multi-Modal**
Chitchat in Real World, ACM MM 2023
Collected comment-reply pairs from short video platforms to
construct the Chinese multi-modal chitchat dialogue dataset TikTalk.
Defined the multi-modal chitchat task and key challenges on TikTalk,
and conducted experiments and improvements on baseline multi-

modal dialogue models like BLIP-2 and Maria. Responsible for conducting experiments, data analysis, and writing articles.

An Analysis of the Collection Method and Simulation Algorithm for Chinese Speech Errors, CLSW 2022
Collected different types of speech error data through user reading and simulated them using existing models. Responsible for the experiments and proposed a speech error simulation algorithm.

SKILLS	Proficient in PyTorch and has practical experience in distributed pre-training, Transformers, and efficient parameter fine-tuning.
SELF-DESCRIPTION	I have a strong passion for NLP and Multi-Modal research, aspiring to make impactful contributions in the fields. I possess a robust learning ability and self-motivation.