Hongpeng Lin

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RESEARCH INTERESTS

Working on Natural Language Processing (NLP) and Multi-modal Understanding, for the purpose of giving machines the ability to perceive, understand, and express like humans. I have been dedicated to equipping large language models (LLMs) with the capability to process multi-modal information, endowing them with the capacity to perceive the world. Some of my recent projects include addressing QA for long-form videos and exploring vulnerabilities in large language models.

EDUCATION

Gaoling School of AI, Renmin University of China   Sep. 2021 - Present

M.S. in Artificial Intelligence

Advisor: Ruihua Song

Xidian University   Sep. 2017 - June. 2021

B.S. in Software Engineering

EMPLOYMENT HISTORY

Research Intern, Xianyuan Technology   May. 2023 - Aug.2023

Project: Large Language Models, Multi-modal Large Language Models

Research Intern, Kuaishou Technology   Nov. 2021 - Jun. 2022

Project: **WenLan** project of large-scale multi-modal pre-training

Research Intern, Beijing Academy of AI (BAAI)   Oct. 2021 - Jan. 2022

Project: Multi-modal data crawling and pre-processing

Research Intern, Tencent AI Lab   Jul. 2021 - Aug. 2021

Project: Development of a multi-modal dialogue WeChat mini-program

PUBLICATIONS

1. **TikTalk: A Video-Based Dialogue Dataset for Multi-Modal Chitchat in Real World.** ACM MM 2023 (**Oral**).
   Hongpeng Lin, Ludan Ruan, Wenke Xia, Peiyu Liu, Jingyuan Wen, Yixin Xu, Di Hu, Ruihua Song, Wayne Xin Zhao, Qin Jin, Zhiwu Lu.

2. **Analysis on the collection method and simulation algorithm of Chinese speech errors.** CLSW 2022.

   Hao Pu, **Hongpeng Lin**, Ruihua Song, Mei Yan.

SKILLS

Proficient in Python, Pytorch, and has practical experience in finetuning of LLMs.

ACADEMIC SERVICE

Conference Reviewer: EMNLP, ACM MM