Zhaowei Wang

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EDUCATION

The Hong Kong University of Science and Technology   **Sept. 2023-Present**
PhD **in Computer Science and Engineering, Department of Computer Science and Engineering**
Supervisor: Yangqiu Song

The University of Edinburgh   **Sept. 2024-Aug. 2025**
Visiting Scholar, Edinburgh NLP, ILCC, School of Informatics
Supervisor: Mark Steedman

The Hong Kong University of Science and Technology   **Sept. 2021-Aug. 2023**
MPhil **in Computer Science and Engineering, Department of Computer Science and Engineering**

SELECTED PUBLICATION

Zhaowei Wang, Wenhao Yu, Xiyu Ren, Jipeng Zhang, Yu Zhao, Rohit Saxena, Liang Cheng, Ginny Wong, Simon See, Pasquale Minervini, Yangqiu Song, Mark Steedman, MMLongBench: Benchmarking Long-Context Vision-Language Models Effectively and Thoroughly, arXiv.

Zhaowei Wang, Hongming Zhang, Tianqing Fang, Ye Tian, Yue Yang, Kaixin Ma, Xiaoman Pan, Yangqiu Song, and Dong Yu, DivScene: Towards Open-Vocabulary Object Navigation with Large Vision Language Models in Diverse Scenes, EMNLP 2025.

Haobo Li, **Zhaowei Wang**, Jiachen Wang, Alexis Kai Hon Lau, and Huamin Qu, CLLMate: A Multimodal LLM for Weather and Climate Events Forecasting, EMNLP 2025

Zhaowei Wang, Wei Fan, Qing Zong, Hongming Zhang, Sehyun Choi, Tianqing Fang, Xin Liu, Yangqiu Song, Ginny Y Wong, and Simon See, **AbsInstruct:** Eliciting Abstraction Ability from LLMs through Explanation Tuning with Plausibility Estimation, ACL2024.

Zhaowei Wang, Haochen Shi, Weiqi Wang, Tianqing Fang, Hongming Zhang, Sehyun Choi, Xin Liu, and Yangqiu Song, **AbsPyramid:** Benchmarking the Abstraction Ability of Language Models with a Unified Entailment Graph, Findings of NAACL 2024

Zhaowei Wang, Quyet V. Do, Hongming Zhang, Jiayao Zhang, Weiqi Wang, Tianqing Fang, Yangqiu Song, Ginny Y. Wong, and Simon See, **COLA:** Contextualized Commonsense Causal Reasoning from the Causal Inference Perspective, ACL 2023 **(Oral)**

Zhaowei Wang, Hongming Zhang, Tianqing Fang, Yangqiu Song, Ginny Y. Wong, and Simon See, *SubeventWriter:* Iterative Sub-event Sequence Generation with Coherence Controller, EMNLP 2022 **(Oral)**

SERVICE

- ⬦ **Area Chair:** ACL ARR 2024 (all rounds); ACL ARR 2025 Feb, May
- ⬦ **Conference Reviewer:** NeurIPS 2024, 2025; ICLR 2025; ICML 2025; ICCV 2025; ACL 2023, 2024; EMNLP 2022, 2023; NAACL 2024; KDD 2023; SIGIR 2025; CIKM 2023; AAAI 2024; ACL ARR 2023 (all rounds); ACL ARR 2024 Feb, Apr; COLM 2024, 2025; EACL 2023, 2024; COLING 2022, 2025; LREC-COLING 2024; SDM 2023; AACL 2022, 2023; AKBC 2022; WiNLP@EMNLP 2024

AWARDS AND SCHOLARSHIPS

◇ **HKUST RedBird Academic Excellence Award for Continuing PhD Students**   **2025**
◇ **HKUST Overseas Research Award**   **2025**
◇ **HKUST RedBird PhD Award**   **2023-2024**
◇ **Hong Kong PhD Fellowship**   **2023**
◇ **National Scholarship (top 2% students)**   **2018-2019**
◇ **National Scholarship (top 2% students)**   **2017-2018**
◇ **Merit Student in Heilongjiang Province (top 2.5% students)**   **2017-2018**
◇ **National Scholarship (top 2% students)**   **2016-2017**

SELECTED INTERNSHIP EXPERIENCE

Seed Team (VLM), ByteDance, Beijing   **Aug. 2025-Present**
Role: Research Intern; **Topic:** VLM training and evaluation

◇ Responsible for training and evaluating large vision-language models (LVLMs), with a particular focus on multi-modal long-context capabilities.

Tencent AI Lab, Bellevue, USA   **Feb. 2024-Aug. 2024**
Role: Research Intern; **Topic:** Embodied Agent

◇ Surveyed current works about embodied simulation environments and vision-language models.
◇ Built diverse rooms in an embodied simulation and trained a vision language model.

NVIDIA Corporation (Hong Kong SAR)   **Feb. 2022-May 2025**
Role: Research Intern (part-time);
Research Project List During the Internship:

1. Three projects about event understanding: **SubeventWriter, COLA,** and **AbsInstruct (Feb. 2022-Feb. 2024):**

◇ I have made significant contributions to event understanding through a series of research projects, including SubeventWriter, COLA, and AbsInstruct.
◇ The works cover temporal, sub-event, causal, and abstraction relations among events, and these projects have led to multiple publications at top conferences, including EMNLP 2022 and ACL 2023/2024.
◇ Technically, I fine-tuned small language models such as BERT and RoBERTa for **SubeventWriter** and **COLA**, and conducted instruction tuning on large language models like Llama2 and Mistral for **AbsInstruct**.

2. MMLongBench (Dec. 2024-May 2025):

◇ Surveyed the multimodal long-context ability of LVLMs.
◇ Constructed a benchmark for evaluating the long-context ability of LVLMs.

TEACHING ASSISTANT EXPERIENCE

◇ **Big Data Mining and Management**   **Feb. 2024-May 2024**
    COMP4332: Undergraduate Level   The Hong Kong University of Science and Technology
◇ **Teaching Assistant Coordinator (TAC) at CSE Department**   **Sept. 2023-Aug. 2024**
    Postgraduate Level   The Hong Kong University of Science and Technology
◇ **Natural Language Processing**   **Sept. 2023-Dec. 2023**
    MSBD5018: Postgraduate Level   The Hong Kong University of Science and Technology
◇ **Natural Language Processing**   **Feb. 2023-May 2023**
    MSBD5018: Postgraduate Level   The Hong Kong University of Science and Technology
◇ **Programming with C++**   **Sept. 2022-Dec. 2022**

COMP2011: Undergraduate Level   The Hong Kong University of Science and Technology

◇ **Introduction to Computer Science**   **Feb. 2022-May 2022**

COMP1021: Undergraduate Level   The Hong Kong University of Science and Technology