

Tsz Ting Chung

✉ ttchungac@connect.ust.hk

☎ (+852) 60527486

Research

Selection-p: Self-Supervised Task-Agnostic Prompt Compression for Faithfulness and Transferability.....

first author

EMNLP 2024, Findings

With simple tuning and small additional parameters, Large Language Models can achieve a better or similar level of performance in natural language understanding tasks with compressed in-context learning demonstrations.

The Stochastic Parrot on LLMs Shoulder: A SUMMATIVE ASSESSMENT OF PHYSICAL CONCEPT UNDERSTANDING.....

co-first author

submitted to ICLR, 2025

We investigate the stochastic parrot phenomenon and propose a task that alleviates the memorization issue via the usage of grid-format inputs that abstractly describe physical phenomena.

Unified Triplet-Level Granularity Hallucination Evaluation for Vision Language Models.....

co-first author

submitted to NAACL, 2025

We propose a new evaluation pipeline for evaluating hallucination in Large Vision Language Model, assessing hallucination in Large Vision Language Models, taking into account the previously overlooked aspect of relation hallucination. Additionally, a simple yet effective approach for hallucination mitigation is proposed using triplets-level information.

Benchmarking Logic Reasoning Evaluation for LLMs.....

first author

planning to submit to IJCAI, 2025

We propose a new benchmark to address issues associated with diversity and assess the logical reasoning capabilities of LLMs with mitigation of the impact from other reasoning abilities. Additionally, a new evaluation metric handling the bias and uncertainty issue in generation is proposed.

Work Experience

Tencent AILab.....

Basic Research Intern

Nov 2023-Sept 2024, Shenzhen

- Conduct research on demonstration compression

Hospital Authority AILab.....

Research Assistant

Jan-July 2021, Hong Kong

- Built a procurement search engine, webpage retrieval engine and a patient cohort search engine

Stanley Ho Big Data Decision Analytics Research Centre.....

Research Assistant

Jun-Sept 2020, Hong Kong

- Built Acoustic Speech Recognition (ASR) Models and a server-client API

EDUCATION

The Hong Kong University of Science and Technology

2021-NOW

Doctor of Philosophy in Compute Science and Engineering

The Chinese University of Hong Kong

2017-2021

Bachelor of Science - Computer Science
[1st Hon, ELITE Stream]

SCHOLARSHIP/AWARDS

Hong Kong Ph.D. Fellowship, Hong Kong Research Grants Council

2021-NOW

Professor Samuel Chanson Best PGTA Award, HKUST

2021-2022

RedBird Ph.D. Scholarship, HKUST

2021-2022

Deans List, CUHK

2020-2021

Silver Award For Outstanding Academic Performance, CUHK

2020-2021

OUTSCHOOL ACTIVITIES

Collaborative Lab

London, Sep 2019

Global Grand Challenge Summit

London, Sep 2019

European Inovation Academy

Portugal, July-Aug 2019

SCORES

IELTS

Overall: 7

LANGUAGES

- Cantonese (Native)
- Putonghua (Advanced)
- English (Advanced)