

Tsz Ting, Chung

EDUCATION

THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

Doctor of Philosophy in Computer Science and Engineering

2021 - Now

THE CHINESE UNIVERSITY OF HONG KONG

Bachelor of Science (Hons) in Computer Science
[1st Hons, ELITE Stream]

2017 - 2021

WORKING EXPERIENCE

Tencent AI Lab

Basic Research Intern

Research on demonstration compression.

Nov 2023 - Sept 2024

Hospital Authority AI Lab

Research Assistant

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

Jan 2021 - July 2021

Stanley Ho Big Data Decision Analytics Research Centre

Research Assistant

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

Jun 2020- Sept 2020

AWARDS & SCHOLARSHIP

2021-Now Hong Kong Ph.D. Fellowship, Hong Kong Research Grants Council

2021-2022 Professor Samuel Chanson Best PGTA Award, HKUST

2021-2022 RedBird Ph.D. Scholarship, HKUST

2020-2021 Dean's List Of The Engineering Faculty, CUHK

2020-2021 Silver Award For Outstanding Academic Performance, CUHK

2018-2020 ELITE Stream Student Scholarship, CUHK

2018-2019 Fong Shu Chuen Scholarship, CUHK

2017-2018 Shum Choi Sang Scholarship, CUHK

2017-2018 Faculty Admission Scholarship, CUHK

RESEARCH

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

Tsz Ting Chung, Leyang Cui, Lemao Liu, Xinting Huang, Shuming Shi, Dit-Yan Yeung

Findings of the 2024 Conference on Empirical Methods on Natural Language Processing (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

Mo Yu*, Lemao Liu*, Junjie Wu*, Tsz Ting Chung*, Shunchi Zhang*, Jiangnan Li, Dit-Yan Yeung, Jie Zhou

- 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

Junjie Wu*, Tsz Ting Chung*, Kai Chen* and Dit-Yan Yeung

- Introduce a new framework to evaluate LVLMs' hallucination on the triplet level, with a benchmark dataset for evaluation and a mitigation method proposed based on the paper's findings.

DLogicEval: Benchmarking Logical Reasoning Evaluation for Large Language Models

Tsz Ting Chung, Lemao Liu, Mo Yu, Dit-Yan Yeung

- Introduce a new benchmark designed to assess the logical reasoning ability of LLMs while minimizing the influence of their other reasoning capabilities. It addresses issues related to diversity and proposes a new evaluation metric to reduce bias and uncertainty.

OUT-SCHOOL ACTIVITIES AND COMPETITIONS	COLLABORATIVE LAB, LONDON, SEP 2019	
	Competition in solving the grand challenges in our future world through technologies	
	GLOBAL GRAND CHALLENGE SUMMIT, LONDON, SEP 2019	
	Inspirational world leaders giving keynotes on solving the grand challenges in our future world of 10 billion people through transformational technologies	
	EUROPEAN INNOVATION ACADEMY, PORTUGAL, JULY 2019-AUG 2019	
	Start-up competition with keynotes given by world-leading businessmen	
	IMPACT AWARD, U-STEMIST PROGRAMME, HONG KONG, OCT 2018- JUNE 2019	
	Helped build an app to encourage subjugated knowledge and serve as an online community for teens.	
VOLUNTEER SERVICE WORK	SERVICE LEARNING INTERNSHIP PROGRAMME, TOKUSHIMA CITY OF JAPAN, DEC 2018- JAN 2019	
	Helped the underprivileged community and organized activities for the Countdown Event for the New Year	
LANGUAGE	International English Language Testing System (IELTS)	7.0
	Japanese Language Proficiency Test	N4