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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 2017 - 2021

[1st Hons, ELITE Stream]

WORKING EXPERIENCE

Tencent AI Lab

2021-Now

Basic Research Intern Nov 2023 - Sept 2024

Research on demonstration compression.

Hospital Authority AI Lab

Research Assistant Jan 2021 - July 2021

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

Stanley Ho Big Data Decision Analytics Research Centre

Research Assistant Jun 2020- Sept 2020

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

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

AWARDS & SCHOLARSHIP

202	T-IAOM	Holig Kolig Fil.D. Fellowship, Holig Kolig Research Grants Council
202	1-2022	Professor Samuel Chanson Best PGTA Award, HKUST
202	1-2022	RedBird Ph.D. Scholarship, HKUST
202	0-2021	Dean's List Of The Engineering Faculty, CUHK
202	0-2021	Silver Award For Outstanding Academic Performance, CUHK
201	8-2020	ELITE Stream Student Scholarship, CUHK
201	8-2019	Fong Shu Chuen Scholarship, CUHK
201	7-2018	Shum Choi Sang Scholarship, CUHK
201	7-2018	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)

 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

o 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.

Collaborative Lab, London Competition in solving the grand challenges in our future world through technologies		
Global Grand Challenge Summit, London Inspirational world leaders giving keynotes on solving the gr people through transformational technologies	and challenges in our fut	Sept 2019 ure world of 10 billion
European Innovation Academy, Portugal Start-up competition with keynotes given by world-leading k		July 2019 - Aug 2019
Impact Award, U-STEMist Programme, Hong Kong Helped build an app to encourage subjugated knowledge an		Oct 2018- June 2019 munity for teens.
LUNTEER Service Learning Internship Programme, Tokushima City of Japan ICE WORK Helped the underprivileged community and organized activities for the Countd Event for the New Year		Dec 2018- Jan 2019
International English Language Testing System (IELTS) Japanese Language Proficiency Test	7.0 N4	
	Global Grand Challenge Summit, London Inspirational world leaders giving keynotes on solving the grapeople through transformational technologies European Innovation Academy, Portugal Start-up competition with keynotes given by world-leading to Impact Award, U-STEMist Programme, Hong Kong Helped build an app to encourage subjugated knowledge and Service Learning Internship Programme, Tokushima City of Helped the underprivileged community and organized active Event for the New Year International English Language Testing System (IELTS)	Global Grand Challenge Summit, London Inspirational world leaders giving keynotes on solving the grand challenges in our future people through transformational technologies European Innovation Academy, Portugal Start-up competition with keynotes given by world-leading businessmen Impact Award, U-STEMist Programme, Hong Kong Helped build an app to encourage subjugated knowledge and serve as an online com Service Learning Internship Programme, Tokushima City of Japan Helped the underprivileged community and organized activities for the Countdown Event for the New Year International English Language Testing System (IELTS) 7.0