

Shuaiyi Li

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Education

- The Chinese University of Hong Kong**, Ph.D. in Information Science, Dept of System Engineering & Engineering Management Aug 2022 – Jul 2027
- Supervisor: Prof. LAM Wai
- King's College London**, MS in Data Science, Dept of Informatics Sept 2020 – Sept 2021
- Pass with Distinction
- Bangor University & Central South University of Forestry and Technology**, BS in Electronic Engineering, School of Computer Science and Electronic Engineering Sept 2016 – June 2020
- Graduated with First Class Honors
 - 2016 - 2018 at Central South University of Forestry and Technology
 - 2018 - 2020 at Bangor University

Experience

- Tecent**, Research Intern March 2024 – Mar 2026
- Mentor: Prof. Zhisong Zhang and Dr. Yan Wang
 - Complete two projects about LLM. Topic in parallel encoding, block attention, and compression.

Selected Publications

- Towards Generalization of Block Attention via Automatic Segmentation and Block Distillation** NeurIPS 2026 Avg 4
- Enable extreme KV cache reuse **across prompts**
 - Has broad application scenarios in **Long-horizon agent tasks** like coding, multi-turn agentic workflows, etc
- Shuaiyi Li, Zhisong Zhang, Yan Wang, Lei Zhu, Dongyang Ma, Chenlong Deng, Yang Deng, Lam Wai
- InComeS: Integrating Compression and Selection Mechanisms into LLMs for Efficient Model Editing** EMNLP 2026
- A finer token-level RAG
 - Increase the efficiency of ICL while maintaining its flexibility
- Shuaiyi Li, Zhisong Zhang, Yang Deng, ChenLong Deng, Tianqing Fang, Hongming Zhang, Haitao Mi, Dong Yu, Lam Wai
- Attention Entropy is a Key Factor: An Analysis of Parallel Context Encoding with Full-attention-based Pre-trained Language Models** ACL 2025 oral
- Zhisong Zhang, Yan Wang, Xinting Huang, Tianqing Fang, Hongming Zhang, Chenlong Deng, Shuaiyi Li, Dong Yu
- UniGist: Towards General and Hardware-aligned Sequence-level Long Context Compression** NeurIPS 2025
- Chenlong Deng, Zhisong Zhang, Kelong Mao, **Shuaiyi Li**, Tianqing Fang, Hongming Zhang, Haitao Mi, Dong Yu, Zhicheng Dou
- Consecutive Batch Model Editing with Hook Layers** EMNLP 2024
- Shuaiyi Li, Yang Deng, Deng Cai, Hongyuan Lu, Liang Chen, Lam Wai

Honors

CUHK Vice-Chancellor's Ph.D. Scholarship	2022
Outstanding Graduate of Central South University of Forestry and Technology	2020
W E Williams Prize for the Best Second Year Student of Bangor University, School of Computer Science & Electronic Engineering	2018
First-class Scholarship of Central South University of Forestry and Technology	2017, 2018

Teaching

Information System Management: 2025-2026 2nd term
Computer Processing System Concepts: 2025-2026 1st term
E-Commerce Data Mining Technique: 2023-2024 1st term, 2024-2025 1st term
Multivariable Calculus for Engineers: 2022-2023 2nd term, 2023-2024 1st term