

Huiyi Chen

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EDUCATION

Southeast University

09/2023 - present

Mphil. in Artificial Intelligence. Supervisor: [Xu Yang](#)

WAM: 85.97/100. GPA:xx.xx/4.0

Monash University

09/2023 - present

M.S. in Information Technology Systems.

WAM: 83.63/100 (High Distinction). GPA:3.875/4.0

Nanchang Hangkong University

09/2019 - 06/2023

B.S. in Network Engineering.

WAM: 90.05/100. Rank: 1/71. GPA:xx.xx/5.0

RESEARCH INTERESTS

In-context learning, Large Vision-Language Model (LVLM), Visual Question Answering, Image Classification.

PUBLICATIONS AND PREPRINTS

* Refers to the authors having the equal contribution, and should be considered as co-first authors.

1. Li Li*, Jiawei Peng*, **Huiyi Chen***, Chongyang Gao, Xu Yang. [How to Configure Good In-Context Sequence for Visual Question Answering](#) (CVPR 2024, Poster), Citations: 34.

The paper explores how to configure effective in-context sequences for Visual Question Answering (VQA) tasks to enhance the in-context learning (ICL) capabilities of Large Visual Language Models (LVLM). The paper elaborates on the role of different in-context configuration in LVLM and designs new configuration methods, providing valuable insights for optimizing LVLM's ICL performance in VQA tasks.

2. **Huiyi Chen**, Jiawei Peng, Kaihua Tang, Xin Geng and Xu Yang. [Enhancing Multimodal In-Context Learning for Image Classification through Coreset Optimization](#) (Arxiv).

The paper proposes a novel coreset construction framework, KeCO, for image classification tasks, aimed at enhancing the in-context learning capabilities of Large Vision-Language Models. KeCO leverages untapped data from the support set to aggregate category-relevant information into the coreset via feature-level updates. Notably, KeCO achieves strong performance in a simulated online scenario, demonstrating its practical applicability.

AWARDS & OTHERS

Scholarships

Southeast University Second-Class Academic Scholarship (Top 10%), China *Oct. 2024*

Nanchang Hangkong University Outstanding Student Award (Top 1%), China *2020 - 2023*

Nanchang Hangkong University First-class Academic Scholarship (Top 1%), China *2020 - 2023*

Competitions

Blue Bridge Cup National Software and Information Technology Professional Talent Programming Competition	2021, Provincial Second Prize
China College Student Computer Design Competition	2022, Provincial Second Prize

Language

TOEFL Score: 97 (R)27 (L)27 (S)23 (W)20	Feb. 2025
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Others

1. Since 2020, I have been documenting my learning journey on [my CSDN blog](#), covering topics such as algorithms and deep learning. To date, I have published 290 posts, which have collectively garnered over 361,000 views and attracted 872 followers.
2. Since my undergraduate studies, I have consistently practiced algorithm problems on LeetCode website, practicing my coding skills.