LINGCHEN MENG

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EDUCATION

▶ **Fudan University, Shanghai, China** Sept. 2020 – Jul. 2025 (expected)
Ph.D. in Computer Science
Advisor: Prof. Zuxuan Wu and Prof. Yu-Gang Jiang

▶ **Tongji University, Shanghai, China** Sept. 2016 - Jul. 2020
B.S. in Computer Science

EXPERIENCE

▶ **Microsoft Research** Jan. 2024 - now
Mentor: Dr. Jianwei Yang
Project: High-resolution Multi-modal Large Model

▶ **Microsoft Cloud+AI, Research Intern (remote)** Sept. 2021 - Jan. 2023
Mentor: Dr. Xiyang Dai
Project: Language-guided long-tailed/ multi-dataset object detection

SELECTED PUBLICATIONS

Learning from Rich Semantics and Coarse Locations for Long-tailed Object Detection. [pdf] [code]
Lingchen Meng, Xiyang Dai, Jianwei Yang, Dongdong Chen, Yinpeng Chen, Mengchen Liu, Yi-Ling Chen, Zuxuan Wu, Lu Yuan, Yu-Gang Jiang.
Neural Information Processing Systems (**NeurIPS**), 2023.

Detection Hub: Unifying Object Detection Datasets via Query Adaptation on Language Embedding. [pdf]
Lingchen Meng, Xiyang Dai, Yinpeng Chen, Pengchuan Zhang, Dongdong Chen, Mengchen Liu, Jianfeng Wang, Zuxuan Wu, Lu Yuan, Yu-Gang Jiang.
Conference on Computer Vision and Pattern Recognition (**CVPR**), 2023.

AdaViT: Adaptive Vision Transformers for Efficient Image Recognition. [pdf] [code]
Lingchen Meng*, Hengduo Li*, Bor-Chun Chen, Shiyi Lan, Zuxuan Wu, Yu-Gang Jiang, Ser-Nam Lim.
Conference on Computer Vision and Pattern Recognition (**CVPR**), 2022.

SEGIC: Unleashing the Emergent Correspondence for In-Context Segmentation. [pdf] [code]
Lingchen Meng, Shiyi Lan, Hengduo Li, Jose M Alvarez, Zuxuan Wu, Yu-Gang Jiang.
European Conference on Computer Vision (**ECCV**), 2024.

To See is to Believe: Prompting GPT-4V for Better Visual Instruction Tuning. [pdf] [code]
Junke Wang*, **Lingchen Meng***, Zejia Weng, Bo He, Zuxuan Wu, Yu-Gang Jiang.
Technical report.

***DeepStack*: Deeply Stacking Visual Tokens is Surprisingly Simple and Effective for LMMs.** [pdf] [code]
Lingchen Meng*, Jianwei Yang*, Rui Tian, Xiyang Dai, Zuxuan Wu, Jianfeng Gao, Yu-Gang Jiang
In Submission.

AWARDS AND HONORS

▶ CVPR-24 V3Det Challenge: the 1st place in OVD track, the 2nd place in Supervised track. Jun. 2024
▶ Fudan University excellent academic scholarship. Sept. 2023
▶ Outstanding graduates in Tongji University. Jul. 2020

SKILLS

- **Computer Languages** Python, C/C++
- **Tools** Pytorch, Git, LaTeX

ACADEMIC SERVICES

- Conference Reviewer for AAAI22, CVPR23-24, NeurIPS23-24, ICCV23, ECCV24.