

Lingchen Meng

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Education

Fudan University, Shanghai, China

Sep 2020 – Now

Ph.D. in Computer Science

Advisor: Zuxuan Wu, Yu-Gang Jiang

Tongji University, Shanghai, China

Sep 2016 – Jul 2020

B.S. in Computer Science

Experience

Microsoft, C+AI, Research Intern

Nov 2021 - Jan 2023

Project : Long-tailed/ Multi-dataset Object Detection

Selected Publications

Learning from Rich Semantics and Coarse Locations for Long-tailed Object Detection

Anonymous, in submission.

Detection Hub: Unifying Object Detection Datasets via Query Adaptation on Language Embedding.

Lingchen Meng, Xiyang Dai, Yinpeng Chen, Pengchuan Zhang, Dongdong Chen, Mengchen Liu, Jianfeng Wang, Zuxuan Wu, Lu Yuan, Yu-Gang Jiang

In submission

AdaViT: Adaptive Vision Transformers for Efficient Image Recognition.

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.

Project

Oc-OCR

<https://github.com/MengLcool/Oc-OCR>

An open-source OCR framework for Chinese scene text detection and recognition. It is a two-stage framework combining scene text detection and text recognition, which can recognize complicated scene text images, such as curved or arbitrarily-oriented texts.

Adaptive Resolution for Video Recognition

A framework for efficient video recognition, which use a lightweight policy network to choose which resolution should be used for video recognition model and achieve a trade-off between recognition performance and computational cost.

Video Ads Understanding

A multimodal framework for video ads understanding for 2021 TAAC competition ranking fourth in the 2021 TAAC final leaderboard. In this project, I am responsible for recognizing scene text features in video and extracting 3d motion features with SlowFast.

Skills

Computer Languages	python, C/C++
Tools	pytorch, git, LaTeX