

# Lingchen Meng

(+86) 189 1611 2035  $\diamond$  lcmeng20@fudan.edu.cn

## 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

---

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**

---

<b>Computer Languages</b>	python, C/C++
<b>Tools</b>	pytorch, git, LaTeX