

LINGYI HONG

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🐱 <https://lingyihongfd.github.io>



EDUCATION

Fudan University 2022.09 - present

Ph.D. in Computer Science

- Advisor: Wenqiang Zhang
- Research Direction: Computer Vision, Video Understanding

Fudan University 2018.09 - 2022.06

B.S. in Information security

PUBLICATION

- LVOS: A Benchmark for Long-term Video Object Segmentation
Lingyi Hong, Wenchao Chen, Zhongying Liu, Wei Zhang, Pinxue Guo, Zhaoyu Chen, and Wenqiang Zhang
IEEE/CVF International Conference on Computer Vision (ICCV) 2023
- SimulFlow: Simultaneously Extracting Feature and Identifying Target for Unsupervised Video Object Segmentation
Lingyi Hong, Wei Zhang, Shuyong Gao, Hong Lu, WenQiang Zhang
Proceedings of the 30th ACM International Conference on Multimedia. 2023
- Adaptive Reference Frames Selection for Video Object Segmentation
Lingyi Hong, Wei Zhang, Liangyu Chen, Wenqiang Zhang, and Jianping Fan
IEEE Transactions on Image Processing
- Reading Relevant Feature from Global Representation Memory for Visual Object Tracking
Xinyu Zhou, Pinxue Guo, **Lingyi Hong**, Jinglun Li, Wei Zhang, Weifeng Ge, Wenqiang Zhang
Thirty-Seventh Conference on Neural Information Processing Systems (NeurIPS 2023)
- Exploring the Adversarial Robustness of Video Object Segmentation via One-shot Adversarial Attacks
Kaixun Jiang, **Lingyi Hong**, Zhaoyu Chen, Pinxue Guo, Zeng Tao, Yan Wang, Wenqiang Zhang
Proceedings of the 30th ACM International Conference on Multimedia. 2023
- Towards Decision-based Sparse Attacks on Video Recognition
Kaixun Jiang, Zhaoyu Chen, Xinyu Zhou, Jingyu Zhang, **Lingyi Hong**, JiaFeng Wang, Bo Li, Yan Wang, Wenqiang Zhang
Proceedings of the 30th ACM International Conference on Multimedia. 2023

AWARDS

- **2nd** (Track 1) in the 4rd Large-scale Video Object Segmentation Challenge. CVPR 2022.

SKILLS

- Programming Languages: Python, Pytorch. Linux. MATLAB, C/C++, L^AT_EX
- Language: Chinese-Native, English (CET-4: 567)

INTERNSHIPS

- **Shanghai AI Lab (OpenDriveLab)** 2023.06 - 2023.09

Position: Research Intern

Advisors: Chonghao Sima, Hongyang Li

HONORS & AWARDS

National Scholarship (Top 1%)	2023.09
Qimingxingchen Scholarship for Outstanding Students at Fudan University (Top 1%)	2022.09
Outstanding Undergraduates Graduates of Fudan University	2022.06