

Kaining Ying

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EDUCATION

- Ph.D. IIAU-LAB, Dalian University of Technology, 2024–
Supervised by Prof. **Huchuan Lu**
Research Topic: Multimodal Large Language Models
- M.E. College of Computer Science and Technology, Zhejiang University of Technology, 2021–
Supervised by Prof. **Zhenhua Wang**
Research Topic: Instance Segmentation
- B.E. College of Computer Science and Technology, Zhejiang University of Technology, 2017–2021
Supervised by Prof. **Zhenhua Wang**
Research Topic: Instance Segmentation, [Thesis](#)

RESEARCH EXPERIENCES

- 2023– OpenGVLab, Shanghai Artificial Intelligence Laboratory
Research Intern, supervised by Dr. **Kaipeng Zhang** and Dr. **Wenqi Shao**
Research Topic: Multimodal Large Language Models
- 2022– State Key Lab of CAD & CG, Zhejiang University
Visiting Student, supervised by Prof. **Chunhua Shen** and Prof. **Hao Chen**
Research Topic: Video Instance Segmentation

RESEARCH AREAS

Multimodal LLMs: alignment, pretrain, instruct tuning
Segmentation: instance segmentation and video segmentation

PUBLICATIONS

* and [†] indicate equal contributions and corresponding authors respectively.

ICONIP’23 Zhenhua Wang, **Kaining Ying**[†], Jiajun Meng, Jifeng Ning.
“Human-to-Human Interaction Detection.”
[Paper](#)

ICCV’23 **Kaining Ying**^{*}, Qing Zhong^{*}, Weian Mao, Zhenhua Wang[†], Hao Chen[†], Lin Yuanbo Wu, Yifan Liu, Chenxiang Fan, Yunzhi Zhuge, Chunhua Shen.
“CTVIS: Consistent Training for Online Video Instance Segmentation.”
Note: CTVIS placed 2nd in both the VIS challenge at ICCV 2023 and the VPS challenge at CVPR 2023.
[Paper](#), [Code](#), [Demo](#)

- TPAMI'23 Jiajun Meng, Zhenhua Wang[†], **Kaining Ying**, Jianhua Zhang, Dongyan Guo, Zhen Zhang, Qinfeng Shi, Shengyong Chen.
 “Human Interaction Understanding with Consistency-Aware Learning.”
[Paper](#), [Code](#)
- TNNLS'22 Pengfei Zhou*, **Kaining Ying***, Zhenhua Wang, Dongyan Guo, Cong Bai[†].
 “Self-supervised Enhancement for Named Entity Disambiguation via Multimodal Graph Convolution.”
[Paper](#), [Code](#)
- ICASSP'22 **Kaining Ying**, Zhenhua Wang[†], Cong Bai, Pengfei Zhou.
 “ISDA: Position-Aware Instance Segmentation with Deformable Attention.”
[Paper](#), [Code](#), [Presentation](#)

AWARDS AND HONORS

- 2023 2nd Place in The 5th Large-scale Video Object Segmentation Challenge - Track 2: Video Instance Segmentation at ICCV 2023, [Leaderboard](#)
- 2023 2nd Place in Pixel-level Video Understanding Challenge (VPS Track) at CVPR 2023, [Leaderboard](#), [Certificate](#)
- 2022 Distinguished Graduate Student of the College
- 2022 National Award Scholarship (Top 1)

SERVICE

Peer Review

IEEE Transactions on Multimedia

IEEE International Conference on Multimedia and Expo, 2023

ACM International Conference on Multimedia, 2023

AAAI Conference on Artificial Intelligence, 2024

Updated August 2023