



KUNCHANG LI

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EDUCATION

University of Chinese Academy of Sciences, Shenzhen, China 2020 – Present

Ph.D. student in Computer Application Technology at Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences, advised by [Prof. Yu Qiao](#) & [Prof. Yali Wang](#).

- Overall GPA: 3.73/4.0 Rank: Not provided

Beihang University, Beijing, China 2016 – 2020

B.E. in Software Engineering at the School of Software.

- Overall GPA: 3.85/4.0 Rank: 4/165

HONORS

- **Top 10 Outstanding** Graduate Students in SIAT, UCAS 2023
- **National award scholarship** 2023
- **Dean Scholarship** of University of Chinese Academy of Sciences 2022, 2023
- **Merit Student** at University of Chinese Academy of Sciences 2021, 2022
- **1st Place** in Forecasting Challenge (ECCV2022 Ego4D Workshop) 2022
- **2nd Place** in Action Recognition in the Dark Challenge (CVPR2022 UG2+ Workshop) 2022
- **1st Place** in Semantic Segmentation of Remote Sensing Images (CCF BDCI Contest) 2021
- **Comprehensive Grand Prize** of CCF BDCI Contest 2021
- **Excellent** Higher Education Graduate of Beijing Municipality 2020
- Grand Prize of Social Work Scholarship, Grand Prize of Study Excellence Scholarship, Merit Student and Honor student at Beihang University 2017, 2018, 2019

RESEARCH INTERESTS

- Vision Backbone (Efficient Architecture Design, Large-scale Pre-training)
- Video Understanding (Action Recognition)
- Multimodal Learning & Large Language Model
- Video Generation (Minute-level Vlog)

INTERNSHIPS

Shanghai AI Lab, Shanghai, China Nov. 2021 – Present

Advisors: [Yali Wang](#), [Limin Wang](#) and [Yi Wang](#)

General Video Foundation Model; Large-scale Pre-training; Multimodal Learning

SenseTime, Beijing, China Feb. 2021 – Nov. 2021

Advisors: [Guanglu Song](#) and [Yu Liu](#)

Efficient Architecture Design; Video Understanding

MEGVII, Beijing, China Oct. 2019 – Jan. 2020

Acceleration for Face Recognition Model; Model Reproduction for MegEngine

SELECTED PAPERS

See the full paper list [here](#). * refers to the **co-first authors**. All the code can be found on [GitHub](#).

[1] **Kunchang Li**, Xinhao Li, et al., “VdeoMamba: State Space Model for Efficient Video Understanding.” Arxiv:2403.06977.

[2] **Kunchang Li**, Yali Wang, et al., “MVBench: A Comprehensive Multi-modal Video Understanding Benchmark.” CVPR2024.

- [3] **Kunchang Li***, Yali Wang*, et al., “UniFormer: Unifying convolution and self-attention for visual recognition.” **TPAMI2023**.
- [4] **Kunchang Li**, Yali Wang, et al., “Unmasked Teacher: Towards Training-Efficient Video Foundation Models.” **ICCV2023 (Oral Presentation, Top 2%)**.
- [5] **Kunchang Li**, Yali Wang, et al., “UniFormerV2: Unlocking the Potential of Image ViTs for Video Understanding.” **ICCV2023**.
- [6] **Kunchang Li***, Yali Wang*, et al., “UniFormer: Unified Transformer for Efficient Spatiotemporal Representation Learning.” **ICLR2022 (Review score 8868, Top 3%)**.
- [7] **Kunchang Li***, Yali Wang*, et al., “CT-Net: Channel tensorization network for video classification.” **ICLR2021**.
- [8] **Kunchang Li***, Yinan He*, et al., “VideoChat: Chat-Centric Video Understanding.” Arxiv:2305.06355.
- [9] Yi Wang*, **Kunchang Li***, et al., “InternVideo: General Video Foundation Models via Generative and Discriminative Learning.” Arxiv:2212.03191.
- [10] Yi Wang*, **Kunchang Li***, et al., “InternVideo2: Scaling Foundation Models for Multimodal Video Understanding.” Arxiv:2403.15377.
- [11] Junhao Zhang*, **Kunchang Li***, et al., “MorphMLP: A Self-Attention Free, MLP-Like Backbone for Image and Video.” **ECCV2022**.
- [12] Zhuofan Zong*, **Kunchang Li***, et al., “Self-slimmed vision transformer.” **ECCV2022**.
- [13] Xiaoxiao Sheng*, **Kunchang Li***, et al., “A Progressive Difference Method for Capturing Visual Tempos on Action Recognition.” **TCSVT2022**.
- [14] Shaobin Zhuang, **Kunchang Li**, et al., “Vlogger: Make Your Dream A Vlog.” **CVPR2024**.
- [15] Yi Wang*, Yinan He*, Yizhuo Li*, **Kunchang Li**, et al. “InternVid: A Large-scale Video-Text Dataset for Multimodal Understanding and Generation.” **ICLR2024**.
- [16] Ziteng Cui, **Kunchang Li**, et al., “Illumination Adaptive Transformer.” **BMVC2022**.
- [17] Renrui Zhang, Ziyu Guo, Wei Zhang, **Kunchang Li**, et al., “PointCLIP: Point Cloud Understanding by CLIP.” **CVPR2022**.
- [18] Renrui Zhang, Rongyao Fang, Peng Gao, Wei Zhang, **Kunchang Li**, et al., “Tip-adapter: Training-free clip-adapter for better vision-language modeling.” **ECCV2022**.
- [19] Guo Chen, Sen Xing, Zhe Chen, Yi Wang, **Kunchang Li**, et al., “InternVideo-Ego4D: A Pack of Champion Solutions to Ego4D Challenges.” **ECCVW2022**.
- [20] Weicong Su, Yali Wang, **Kunchang Li**, et al., “Hybrid token transformer for deep face recognition” **PR2023**.

PROJECTS

- **Grounded-Segment-Anything**: GitHub Trending with **13k+** stars.
- **Ask-Anything**: GitHub Trending with **2k+** stars (**150+** citations).
- **InternGPT**: GitHub Trending with about **3k** stars.
- **UniFormer**: Efficient vision backbone (**350+** citations).
- **UniFormerV2**: Plug-and-play temporal module with strong performances (**60+** citations).
- **Unmasked Teacher**: Efficient and powerful video foundation models (**40+** citations).
- **InternVideo**: General video foundation models (**130+** citations).
- **IAT**: 90K parameters to adapt light (**80+** citations).
- **Seg4Fun**: **Top-1** solution for CCF BDCI Segmentation.

SERVICES

Conference Reviewer: ICLR2023/2024, CVPR2023/2024, ICCV2023, NeurIPS2023, ICML2024, ECCV2024

Journal Reviewer: TPAMI, IJCV, PR, NN, JVC

Talk: AI Drive 2022, AI Time 2022, AI Time 2023, others (FDU, UCAS, KAUST...)