



# KUNCHANG LI

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## EDUCATION

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**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

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- **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

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

## INTERNSHIPS

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**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

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

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

[2] **Kunchang Li\***, Yali Wang\*, et al., “UniFormer: Unifying convolution and self-attention for visual recognition.” **TPAMI2023**.

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

## PROJECTS

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- **Grounded-Segment-Anything**: GitHub Trending with **12k+** stars.
- **Ask-Anything**: GitHub Trending with **2k+** stars (**100+** citations).
- **InternGPT**: GitHub Trending with about **3k** stars.
- **UniFormer**: Efficient vision backbone (**300+** citations).
- **UniFormerV2**: Plug-and-play temporal module with strong performances (**50+** citations).
- **Unmasked Teacher**: Efficient and powerful video foundation models (**30+** citations).
- **InternVideo**: General video foundation models (**100+** citations).
- **IAT**: 90K parameters to adapt light (**60+** citations).
- **Seg4Fun**: **Top-1** solution for CCF BDCI Segmentation.

## SERVICES

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

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

**Talk**: AI Drive 2022, AI Time 2022, AI Time 2023