

Junke Wang

Fudan University, Shanghai, China

✉ wangjk21@m.fudan.edu.cn

🌐 www.wangjunke.info

Education

- Sep. 2021 – **Fudan University**, Shanghai, China.
Jun. 2026 **Doctoral Student**, Advisor: *Dr. Yu-Gang Jiang & Dr. Zuxuan Wu*.
(expected) *Research: Large-scale Video Understanding, Video Foundation Models.*
- Sep. 2017 – **Fudan University**, Shanghai, China.
Jun. 2021 **Bachelor Student**. *GPA: 3.76 /4.0 Rank: 3/ 156.*
- Sep. 2020 – **University of California, Irvine**, CA, United States.
Dec. 2020 **Exchange Student**, *GPA: 4.0 /4.0.*

Research Experience

- Feb. 2022 – **Microsoft Cloud AI**, *Research Intern*, Mentor: Dr. Dongdong Chen.
Aug. 2023 *Research: Unified Framework for Video Understanding, Video-Language Pretraining, Video Object Tracking.*

Publications

- CVPR 2023 **Junke Wang**, Dongdong Chen, Zuxuan Wu, Chong Luo, Chuanxin Tang, Xiyang Dai, Yucheng Zhao, Yujia Xie, Lu Yuan, Yu-Gang Jiang. **Look Before You Match: Instance Understanding Matters in Video Object Segmentation.**
- NeurIPS 2022 **Junke Wang**, Dongdong Chen, Zuxuan Wu, Chong Luo, Luwei Zhou, Yucheng Zhao, Yujia Xie, Ce Liu, Yu-Gang Jiang, Lu Yuan. **OmniVL:One Foundation Model for Image-Language and Video-Language Tasks.**
- ECCV 2022 **Junke Wang***, Xitong Yang*, Hengduo Li, Li Liu, Zuxuan Wu, Yu-Gang Jiang. **Efficient Video Transformers with Spatial-Temporal Token Selection.**
- CVPR 2022 **Junke Wang**, Zuxuan Wu, Jingjing Chen, Xintong Han, Abhinav Shrivastava, Yu-Gang Jiang, Ser-Nam Li. **ObjectFormer for Image Manipulation Detection and Localization.**
- ICMR 2022 **Junke Wang**, Zuxuan Wu, Wenhao Ouyang, Xintong Han, Jingjing Chen, Ser-Nam Lim, Yu-Gang Jiang. **M2TR: Multi-modal Multi-scale Transformers for Deepfake Detection.**

TMM 2022 **Junke Wang**, Shaoxiang Chen, Zuxuan Wu, Yu-Gang Jiang. **FT-TDR: Frequency-guided Transformer and Top-Down Refinement Network for Blind Face Inpainting.**

ACM MM 2020 Yuqian Fu, Li Zhang, **Junke Wang**, Yanwei Fu, Yu-Gang Jiang. **Depth Guided Adaptive Meta-Fusion Network for Few-shot Video Recognition.**

Preprints

Arxiv 2023 **Junke Wang**, Dongdong Chen, Chong Luo, Xiyang Dai, Lu Yuan, Zuxuan Wu, Yu-Gang Jiang. **ChatVideo: A Tractlet-centric Multimodal and Versatile Video Understanding System.**

Arxiv 2023 **Junke Wang**, Dongdong Chen, Zuxuan Wu, Chong Luo, Xiyang Dai, Lu Yuan, Yu-Gang Jiang. **OmniTracker: Unifying Object Tracking by Tracking-with-Detection.**

Arxiv 2022 **Junke Wang**, Zhenxin Li, Chao Zhang, Jingjing Chen, Zuxuan Wu, Larry S. Davis, Yu-Gang Jiang. **Fighting Malicious Media Data: A Survey on Tampering Detection and Deepfake Detection.**

Academic Services

Reviewer **Conference:** ICLR 2024, NeurIPS 2023, CVPR 2022-2023, ECCV 2022, AAI 2023-204, IJCAI 2023.

Journal: TPAMI, TIP, IJCV, TIFS, PR.

Award

- 2022 Chinese National Scholarship (Top 1%)
- 2021 Outstanding Graduates in Shanghai (Top 5%)
- 2019,2021 First Class Scholarship (Top 10%)