

Junke Wang

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EDUCATION

- Fudan University** Shanghai, China
• *Ph.D, School of Computer Science and Technology.* Sep 2021 ~ Jun 2026 (expected)
Supervisor: Prof. Yu-Gang Jiang and Prof. Zuxuan Wu.
- Fudan University** Shanghai, China
• *Bachelor, School of Computer Science and Technology.* Sep 2017 ~ Jun 2021
GPA: 3.76 /4.0 *Rank:* 3/ 156.
- University of California, Irvine** California, USA.
• *Exchange Student in School of Computer Engineering. GPA: 4.0 /4.0.* Sep 2020 ~ Dec 2020

RESEARCH INTEREST

- My research interest lies in computer vision and deep learning, with the emphasis on **video understanding** and **media forensics**.

RESEARCH EXPERIENCES

- Microsoft.** Cloud AI.
• *Supervisor:* Dr. Dongdong Chen. Feb 2022 – Present
 - **Large-scale Vision-Language Pretraining:** I proposed foundation models that support a wide range of downstream tasks, including visual classification tasks, cross-modal alignment tasks, and multi-modal understanding and generation tasks.
- Tencent.** Guangying Lab.
• *Supervisor:* Dr. Yu Gang. Jun 2020 – Sep 2020
 - **Face Attribute Editing:** I designed algorithms to edit the attributes of faces, such as nose and mouth, to implement some interesting applications.

PUBLICATIONS

- *OmniVL: One Foundation Model for Image-Language and Video-Language Tasks.* **NeurIPS, 2022.**
Junke Wang, Dongdong Chen, Zuxuan Wu, Chong Luo, Luowei Zhou, Yucheng Zhao, Yujia Xie, Ce Liu, Yu-Gang Jiang, Lu Yuan.
- *Efficient Video Transformers with Spatial-Temporal Token Selection.* **ECCV, 2022.**
Junke Wang*, Xitong Yang*, Hengduo Li, Zuxuan Wu, Yu-Gang Jiang.
- *M2TR: Multi-modal Multi-scale Transformers for Deepfake Detection.* **CVPR, 2022.**
Junke Wang, Zuxuan Wu, Wenhao Ouyang, Xintong Han, Jingjing Chen, Ser-Nam Lim, Yu-Gang Jiang.
- *ObjectFormer for Image Manipulation Detection and Localization.* **ICMR, 2022.**
Junke Wang, Zuxuan Wu, Jingjing Chen, Xintong Han, Abhinav Shrivastava, Yu-Gang Jiang, Ser-Nam Li.
- *FT-TDR: Frequency-guided Transformer and Top-Down Refinement Network for Blind Face Inpainting.* **TMM, 2022.**
Junke Wang, Shaoxiang Chen, Zuxuan Wu, Yu-Gang Jiang.
- *Depth Guided Adaptive Meta-Fusion Network for Few-shot Video Recognition.* **ACM MM, 2020.**
Yuqian Fu, Li Zhang, **Junke Wang**, Yanwei Fu, Yu-Gang Jiang.

HONORS AND AWARDS

- Outstanding Graduates in Shanghai (Top 5%). 2021
- Uniqlo Scholarship (33 undergrads from China). 2019
- First Class Scholarship (Top 10%). 2018, 2019, 2021
- Excellent Students in Fudan University. 2020

SERVICES

- Reviewer for AAAI 2023, CVPR 2022, ECCV 2022.