Lingzhi Li

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Biography

I am currently a senior researcher in Damo Academic at Alibaba Group. I obtained my M.S and B.S degrees from Peking University and Beijing Jiaotong University, respectively. My research interests are in the areas of neural radiance field, generative model, and deepfake detection. I have published several highly-regarded papers in these topics and have garnered **500+** citations. Find more details about my research on **google scholar** or my **homepage**

Education

Peking University   *Beijing, China*

M.S. IN SOFTWARE ENGINEERING   *Aug. 2017 - July. 2020*

- **1st** place in the graduate student entrance examination(1/175)
- GPA 3.77/4.0

Beijing Jiaotong University   *Beijing, China*

B.S. IN COMMUNICATION ENGINEERING   *Aug. 2013 - Jun. 2017*

- GPA 84.2/100

Experience

Alibaba DAMO Academy   *Beijing, China*

SENIOR RESEARCHER   *July. 2020 - PRESENT*

- Member of the XR lab, Researching and developing State-of-the-Art algorithms about dynamic NeRF, volumetric NeRF compression, super high resolution NeRF, facial motion retargeting, face replacement and face cartoonization. related project have been launched in Alibaba Cloud.

Microsoft Research Asia   *Beijing, China*

RESEARCH INTERN   *Aug. 2018 - June. 2020*

- Member of the Computer Vision group, supervised by Dong Chen. Research in deepfake detection, face replacement and semantic segmentation. related project have been launched in Azure.

Publication

Compressing Volumetric Radiance Fields to 1 MB

LINGZHI LI*, ZHEN SHEN*, ZHONGSHU WANG, LI SHEN, LIEFENG BO

arXiv:2211.16386

4K-NeRF: High Fidelity Neural Radiance Fields at Ultra High Resolutions

ZHONGSHU WANG, LINGZHI LI, ZHEN SHEN,, LI SHEN, LIEFENG BO

arXiv

Your3dEmoji: Creating Personalized Emojis via One-shot 3D-aware Cartoon Avatar Synthesis

SHIYAO XU, LINGZHI LI, LI SHEN, YIFANG MEN, ZHOUHUI LIAN

Siggraph Asia 2022 Technical Communication

Streaming Radiance Fields for 3D Video Synthesis

LINGZHI LI, ZHEN SHEN, ZHONGSHU WANG, LI SHEN, PING TAN

NeurIPS 2022

Face X-ray for More General Face Forgery Detection

LINGZHI LI*, JIANMING BAO*, TING ZHANG, YANG HAO, DONG CHEN, FANG WEN, BAINING GUO

CVPR 2020 **Oral**

FaceShifter: Towards High Fidelity And Occlusion Aware Face Swapping

Lɪɴɢᴢʜɪ Lɪ, Jɪᴀɴᴍɪɴɢ Bᴀᴏ, Yᴀɴɢ Hᴀᴏ, Dᴏɴɢ Cʜᴇɴ, Fᴀɴɢ Wᴇɴ

CVPR 2020 **Oral**

Honors & Awards

2020	**Stars of Tomorrow**, Microsoft Research Asia (Award of Excellent Intern)	*Beijing, China*
2018	**1st**, Jane Street Electronic Trading Competition	*Beijing, China*
2018	**2nd**, Citadel Data-Open Beijing	*Beijing, China*
2018	**Merit Student**, Academic awards of Peking University	*Beijing, China*
2018	**39th/3634**, Data Science Bowl, Automate Nucleus Detection Chanllege	*U.S.A*
2017	**5th/274**, WWW 2018 Musical Genre Classification Challenge	*Lyon, Fance*

Academic Service

Conference Reviewer

- Computer Vision and Pattern Recognition Conference.
- European Conference on Computer Vision.
- IEEE Transactions on Image Processing.
- IEEE Transactions on Multimedia.
- AAAI conference on artificial intelligence.