

YIRAN XU

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EDUCATION BACKGROUND

Ph.D. in Computer Science University of Maryland, College Park, MD, USA	Aug. 2021 - Present
Ph.D. in Computer Engineering Virginia Tech, Blacksburg, VA, USA	Aug. 2020 - May 2021
M.S. in Electrical and Computer Engineering University of California, San Diego, CA, USA	Sept. 2018 - June. 2020
B.E. in Electrical Engineering South China University of Technology (SCUT), Guangzhou, China	Sept. 2014 - Jun. 2018

PUBLICATIONS

- Yiran Xu**, Taesung Park, Richard Zhang, Yang Zhou, Eli Shechtman, Feng Liu, Jia-Bin Huang, Difan Liu. *VideoGigaGAN: Towards Detail-rich Video Super-Resolution*, preprint [[Project page](#), [paper](#)]
- Mingyang Xie, Haoming Cai, Sachin Shah, **Yiran Xu**, Brandon Feng, Jia-Bin Huang, Christopher Metzler. *Flash-Splat: 3D Reflection Removal with Flash Cues and Gaussian Splats*, *ECCV 2024*
- Yiran Xu**, Zhixin Shu, Cameron Smith, Seoung Wug Oh, Jia-Bin Huang. *In-N-Out: Faithful 3D GAN Inversion with Volumetric Decomposition for Face Editing*, *CVPR 2024*. [[Project page](#), [paper](#)]
- Yiling Qiao, Alexander Gao, **Yiran Xu**, Yue Feng, Jia-Bin Huang, Ming C. Lin. *Dynamic Mesh-Aware Radiance Fields*, *ICCV 2023*. [[Project page](#), [paper](#), [code](#)]
- Ting-Hsuan Liao, Songwei Ge, **Yiran Xu**, Yao-Chih Lee, Badour AlBahar, Jia-Bin Huang. *Text-driven Visual Synthesis with Latent Diffusion Prior*, preprint. [[Project page](#), [paper](#)]
- Yiran Xu**, Badour AlBahar, Jia-Bin Huang. *Temporally Consistent Semantic Video Editing*, *ECCV 2022*. [[Project page](#), [paper](#), [code](#)]
- Yiran Xu**, Xiaoyin Yang, Lihang Gong, Hsuan-Chu Lin, Tz-Ying Wu, Yunsheng Li, Nuno Vasconcelos. *Explainable Object-induced Action Decision for Autonomous Vehicles*, *CVPR 2020*. [[Project page](#), [paper](#)]

PROFESSIONAL EXPERIENCES

Google DeepMind , Mountain View, CA, U.S.A Research Intern	June 2024 - Aug. 2024
Adobe Research , San Jose, CA, U.S.A Research Intern	May 2023 - Aug. 2023, May 2022 - Aug. 2022
Snap Research , Los Angeles, CA, U.S.A Research Intern	May 2021 - Aug. 2021

ACADEMIC SERVICES

Reviewer: CVPR'2022-2024, ICCV'2021-2023, ECCV'2022-2024, ICLR'2024, ICML'2024, WACV'2023-2025, ACCV'2024, NeurIPS'23, TIP, IJCV.