

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](#)]

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

Adobe Research , San Jose, CA, U.S.A Research Intern	May 2023 - Aug. 2023
Adobe Research , remote Research Intern	May 2022 - Aug. 2022
Snap Research , Los Angeles, CA, U.S.A Research Intern	May 2021 - Aug. 2021
Eaton Corporation , Shenzhen, China Hardware Intern	July 2018 - Jan. 2019

ACADEMIC SERVICES

Conference reviewer: CVPR'2022-2024, ICCV'2021-2023, ECCV'2022-2024, ICLR'2024, ICML'2024, WACV'2023-2024, ACCV'2024, NeurIPS'23