




XING Jinbo, Jerome

1026, Ho Sin-Hang Engineering Building, CUHK, Sha Tin, New Territories

Phone: (+86)15771501030

Email: JinboXING@link.cuhk.edu.hk   

EDUCATION

The Chinese University of Hong Kong (CUHK)

Hong Kong, China

Ph.D. in Computer Science and Engineering

Sept. 2021 – Present

- Supervisor: [Tien-Tsin Wong](#) Anticipated graduation: August 2025

The Chinese University of Hong Kong (CUHK)

Hong Kong, China

M.Sc. in Computer Science

Sept. 2020 – Jun. 2021

- Supervisor: [Tien-Tsin Wong](#) Cumulative GPA: 3.76/4.0

The Chinese University of Hong Kong (CUHK)

Hong Kong, China

B.Sc. in Computer Science (ELITE Stream)







Sept. 2016 – Jun. 2020

- Cumulative GPA: 3.6/4.0, Major GPA: 3.7/4.0, Honor Class: First Honor


RESEARCH INTERESTS

3D Facial Animation, Generative AI (image/video generation)

PUBLICATIONS

- [1]. CodeTalker: Speech-Driven 3D Facial Animation with Discrete Motion Prior 
Jinbo Xing, Menghan Xia, Yuechen Zhang, Xiaodong Cun, Jue Wang, and Tien-Tsin Wong
IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2023.
- [2]. Scale-arbitrary Invertible Image Downscaling 
Jinbo Xing*, Wenbo Hu*, Menghan Xia, and Tien-Tsin Wong
IEEE Transactions on Image Processing (**TIP**), 2023.
- [3]. RIVAL: Real-World Image Variation by Aligning Diffusion Inversion Chain 
Yuechen Zhang, **Jinbo Xing**, Eric Lo, and Jiaya Jia
Neural Information Processing Systems (**NeurIPS**), spotlight, 2023
- [4]. Ref-NPR: Reference-Based Non-Photorealistic Radiance Fields 
Yuechen Zhang, Zexin He, **Jinbo Xing**, Xufeng Yao, Jiaya Jia
IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2023.
- [5]. Flow-aware synthesis: A generic motion model for video frame interpolation 
Jinbo Xing*, Wenbo Hu*, Yuechen Zhang, and Tien-Tsin Wong
Computational Visual Media (**CVM**), 7, 393-405, 2021.
- [6]. Unstructured Knowledge Access in Task-oriented Dialog Modeling using Language Inference, Knowledge Retrieval and Knowledge-Integrative Response Generation 
Mudit Chaudhary, Borislav Dzodzo, Sida Huang, Chun Hei Lo, Mingzhi Lyu, Lun Yiu Nie, **Jinbo Xing**, Tianhua Zhang, Xiaoying Zhang, Jingyan Zhou, Hong Cheng, Wai Lam, and Helen Meng
AAAI Conference on Artificial Intelligence Workshop Program (**AAAIW**), DSTC9, 2021.

PREPRINTS

- [1]. Make-Your-Video: Customized Video Generation Using Textual and Structural Guidance 
Jinbo Xing, Menghan Xia, Yuxin Liu, Yuechen Zhang, Yong Zhang, Yingqing He, Hanyuan Liu, Haoxin Chen, Xiaodong Cun, Xintao Wang, Ying Shan, and Tien-Tsin Wong
Major revision in IEEE Transactions on Visualization and Computer Graphics (**TVCG**) 2023

- [2]. DynamiCrafter: Animating Open-domain Images with Video Diffusion Priors ^{PDF}
Jinbo Xing, Menghan Xia, Yong Zhang, Haoxin Chen, Wangbo Yu, Hanyuan Liu, Xintao Wang, Tien-Tsin Wong, and Ying Shan
- [3]. Video Colorization with Pre-trained Text-to-Image Diffusion Models ^{PDF}
Hanyuan Liu, Minshan Xie, **Jinbo Xing**, Chengze Li, and Tien-Tsin Wong
- [4]. Improved Diffusion-based Image Colorization via Piggybacked Models ^{PDF}
Hanyuan Liu, **Jinbo Xing**, Minshan Xie, Chengze Li, and Tien-Tsin Wong
- [5]. Animate-A-Story: Storytelling with Retrieval-Augmented Video Generation ^{PDF}
Yingqing He*, Menghan Xia*, Haoxin Chen*, Xiaodong Cun, Yuan Gong, **Jinbo Xing**, Yong Zhang, Xintao Wang, Chao Weng, Ying Shan, and Qifeng Chen
- [6]. StyleCrafter: Enhancing Stylized Text-to-Video Generation with Style Adapter ^{PDF}
Gongye Liu, Menghan Xia, Yong Zhang, Haoxin Chen, **Jinbo Xing**, Xintao Wang, Yujiu Yang, and Ying Shan

WORK EXPERIENCE

Tencent AI Lab

Shenzhen, China

Research Intern

Jul. 2022 – present

- Supervised by: Dr. [Menghan, Xia](#)
- Research on speech-driven 3D facial animation and text-to-video/image-to-video generation.

Stanley Ho Big Data Decision Analytics Research Centre, CUHK

Hong Kong, China

Research Assistant

May 2020 – Jun. 2021

- Supervised by: Prof. [Meiling, Meng](#)
- Implemented the modularized code in research projects and making an interactive design.

AWARDS AND SCHOLARSHIPS

- | | |
|---|------------------|
| • Postgraduate Studentship | 2021 |
| • Distinguished Academic Performance Scholarship | 2020 |
| • Entrance Scholarship of MSc Programme in Computer Science | 2020 |
| • Dean's List of Faculty of Engineering | 2020, 2019, 2016 |
| • ELITE Stream Student Scholarship | 2019, 2018 |
| • Computer Science scholarship | 2016 |
| • Faculty of Engineering Admission Scholarship | 2016 |
| • S.H. Ho College Matriculation Scholarships for Academic Excellence (Mainland) | 2016 |
| • Full Scholarship for Undergraduate Students (Mainland) | 2016 |

TEACHING ASSISTANT

- | | | |
|-------------|------------------------------------|----------------------|
| • CSCI 3290 | Computational Imaging and Vision | 2023-2024 |
| • CSCI 5390 | Advanced GPU Programming | 2023-2024 |
| • CSCI 3280 | Introduction to Multimedia Systems | 2022-2023, 2021-2022 |
| • ENGG 1110 | Problem Solving by Programming | 2021-2022 |

ACADEMIC SERVICES

The Visual Computer Journal (**TVCG**), IEEE Transactions on Visualization and Computer Graphics (**TVCG**)
International Journal of Computer Vision (**IJCV**)