




XING Jinbo, Jerome

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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 Cumulative GPA: 3.91/4.0

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

Computer Graphics, Computational Photography, Image/Video Processing, 3D Facial Animation

PUBLICATIONS

- [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
IEEE Transactions on Visualization and Computer Graphics, 2024
- [2]. Scale-arbitrary Invertible Image Downscaling 
Jinbo Xing*, Wenbo Hu*, Menghan Xia, and Tien-Tsin Wong
IEEE Transactions on Image Processing, 2023.
- [3]. 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, 2023
- [4]. RIVAL: Real-World Image Variation by Aligning Diffusion Inversion Chain 
Yuechen Zhang, **Jinbo Xing**, Eric Lo, and Jiaya Jia
Neural Information Processing Systems, spotlight, 2023
- [5]. 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, 2023.
- [6]. Flow-aware synthesis: A generic motion model for video frame interpolation 
Jinbo Xing*, Wenbo Hu*, Yuechen Zhang, and Tien-Tsin Wong
Computational Visual Media, 7, 393-405, 2021.

PREPRINTS

- [1]. DynamiCrafter: Animating Open-domain Images with Video Diffusion Priors 
Jinbo Xing, Menghan Xia, Yong Zhang, Haoxin Chen, Wangbo Yu, Hanyuan Liu, Xintao Wang, Tien-Tsin Wong, and Ying Shan

- [2]. Video Colorization with Pre-trained Text-to-Image Diffusion Models ^{PDF}
Hanyuan Liu, Minshan Xie, **Jinbo Xing**, Chengze Li, and Tien-Tsin Wong
- [3]. Improved Diffusion-based Image Colorization via Piggybacked Models ^{PDF}
Hanyuan Liu, **Jinbo Xing**, Minshan Xie, Chengze Li, and Tien-Tsin Wong
- [4]. 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
- [5]. 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	Shenzhen, China
<i>Research Intern</i>	<i>Jul. 2022 – present</i>
<ul style="list-style-type: none"> Supervised by: Dr. Menghan, Xia Cooperating with team members, conducting research on speech-driven 3D facial animation and text-to-video/image-to-video generation, and processing video data on a scale of millions for dataset preparation. 	
Stanley Ho Big Data Decision Analytics Research Centre, CUHK	Hong Kong, China
<i>Research Assistant</i>	<i>May 2020 – Jun. 2021</i>
<ul style="list-style-type: none"> Supervised by: Prof. Meiling, Meng Developed modularized code for research projects and conducted research on retrieval-based response generation. 	

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

TVCJ, IEEE TVCG, IJCV, ECCV, ACM CSUR