

WANCHAO SU

+ (852) 9060 3040 @ wanchao_su@outlook.com ansire.github.io
Y6407, Yeung Kin Man Academic Building, 83 Tat Chee Avenue, Kowloon Tong, Hong Kong

I am an interactive computer graphics researcher, my research interests mainly fall in the areas of the computer graphics (CG), computer vision (CV), human computer interaction (HCI) and their intersections.

EDUCATION

-
- 2016.09-2021.08 **Doctor of Philosophy in Creative Media**, City University of Hong Kong, Hong Kong SAR.
 - > Thesis : Sketch-Based Image Synthesis with Deep Generative Networks
 - > Supervisor : Prof. Hongbo Fu
 - 2012.09-2016.06 **Bachelor in Information Management and Systems**, Dalian University of Technology, China.
 - > Supervisor : Dr. Xuelong Chen

EXPERIENCE

-
- 2022.01-Now **Postdoctoral Researcher**, City University of Hong Kong, Hong Kong SAR.
 - > Department of Computer Science
 - > Advisor : Dr. Jing Liao
 - 2020.10-2021.12 **Research Assistant**, City University of Hong Kong, Hong Kong SAR.
 - > School of Creative Media
 - > Advisor : Prof. Hongbo Fu
 - 2020.02-2020.07 **Visiting Student**, Tsinghua University, China.
 - > Department of Computer Science and Technology
 - 2019.11-2020.01 **Research Intern**, Chinese Academy of Sciences, China.
 - > Institute of Computing Technology
 - > Advisor : Dr. Lin Gao

PUBLICATIONS

-
- SIGGRAPH Aisa 22 Chufeng Xiao*, **Wanchao Su*** (joint first author), Jing Liao, Zhouhui Lian, Yi-Zhe Song, and Hongbo Fu. 2022. **DifferSketching : How Differently Do People Sketch 3D Objects?**. ACM Transactions on Graphics (TOG). 2022, 41(4), 16 pages.
 - TVCG 22 **Wanchao Su**, Hui Ye, Shu-Yu Chen, Lin Gao, and Hongbo Fu. 2022. **DrawingInStyles : Portrait Image Generation and Editing with Spatially Conditioned StyleGAN**. IEEE Transactions on Visualization and Computer Graphics, doi : 10.1109/TVCG.2022.3178734.
 - SIGGRAPH 20 Shu-Yu Chen*, **Wanchao Su*** (joint first author), Lin Gao, Shihong Xia, and Hongbo Fu. 2020. **DeepFaceDrawing : Deep Generation of Face Images from Sketches**. ACM Transactions on Graphics (TOG). 2020 Jul 8; 39(4) : 72-1.
 - SIGGRAPH 20 Hui Ye*, Kin Chung Kwan*, **Wanchao Su**, and Hongbo Fu. 2020. **ARAnimator : In-situ Character Animation in Mobile AR with User-defined Motion Gestures**. ACM Transactions on Graphics (TOG). 2020 Jul 8; 39(4) : 83-1.
 - i3D 18 **Wanchao Su**, Dong Du, Xin Yang, Shizhe Zhou, and Hongbo Fu. 2018. **Interactive Sketch-Based Normal Map Generation with Deep Neural Networks**. Proceedings of the ACM on Computer Graphics and Interactive Techniques. 2018 Jul 25; 1(1) : 1-17.
 - CAVW 17 Xin Yang, **Wanchao Su**, Jian Deng, Xiaogang Jin, Guozhen Tan, and Zhigeng Pan. 2017. **Real-Virtual Fusion Model for Traffic Animation**. Computer Animation and Virtual Worlds. 2017 Nov, 28(6) : e1740.
 - MTA 16 Xin Yang, Shuai Li, Yong Zhang, **Wanchao Su**, Mingyue Zhang, Guozhen Tan, Qiang Zhang, Dongsheng Zhou, Xiaopeng Wei. 2016. **Interactive Traffic Simulation Model with Learned Local Parameters**. Multimedia Tools and Applications. 2016 Apr 1; 76(7) : 9503-16.
 - VRCAI 15 Xin Yang, **Wanchao Su**, Jian Deng and Zhigeng Pan. 2015. **Real Traffic Data-Driven Animation Simulation**. In Proceedings of the 14th ACM SIGGRAPH International Conference on Virtual Reality Continuum and its Applications in Industry 2015 Oct 30 (pp. 93-99).

HONORS & AWARDS

- 2022 **Silver Medal**, Inventions Geneva Evaluation Days (IGED) 2022.
- 2021 **Siggraph Thesis Fast Forward 2021**, SIGGRAPH Research Career Development Committee.
- 2021 **Open-source Graphics Software Award**, CAD & CG, CCF.
- 2020 **Runner-Up for the Open-Source Software Award**, CAD & CG, CCF.
- 2018 **Research Tuition Scholarship 2018/19**, City University of Hong Kong.
- 2015 **Best Paper Award (Second Place)**, VRCAI.

TEACHING EXPERIENCES

- CS1103 **Introduction to Media Computing**, Teaching Assistant, 2017/18 Semester A.
- SM4701 **Graduation Thesis/Project**, Teaching Assistant, 2017/18 Semester B.
- SM2716 **Physical Computing and Tangible Media**, Teaching Assistant, 2018/19 Semester B.

PROFESSIONAL TALKS

- 2020.08 **DeepFaceDrawing : Deep Generation of Face Images from Sketches**, SIGGRAPH 2020, Virtual.
- 2020.08 **ARAnimator : In-Situ Character Animation in Mobile AR with User-Defined Motion Gestures**, SIGGRAPH 2020, Virtual.
- 2018.05 **Interactive Sketch-Based NormalMap Generation with Deep Neural Networks**, i3D 2018, Montreal, Canada.

ACADEMIC SERVICE

- Paper Review Eurographics, Pacific Graphics, Computer Graphics Forum, Computers & Graphics, ACM TOMM, etc.
- Voluntary Work Pacific Graphics 2018, Student Volunteer.