WANCHAO SU

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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

2020.10-Now	**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

HONORS & AWARDS

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.

PUBLICATIONS

TVCG	Wanchao Su, Hui Ye, Shu-Yu Chen, Lin Gao, and Hongbo Fu. 2021. **DrawingInStyles : Portrait Image Generation and Editing with Spatially Conditioned StyleGAN**. Under Review, Submitted to IEEE Transactions on Visualization and Computer Graphics
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).

⬚ PROFESSIONAL TALKS

2020.08	**DeepFaceDra-wing : Deep Generation of Face Images from Sketches**, SIGGRAPH 2020, Virtual.
2018.05	**Interactive Sketch-Based NormalMap Generation with Deep Neural Networks**, i3D 2018, Montreal, Canada.

⬚ ACADEMIC SERVICE

Paper Review	EG 20, TOMM, PG 20, C&G
Voluntary Work	PG 18

✚ SKILLS

Language	Mandarin Chinese (Mother Tongue), English (Fluent), Cantonese (Competent).
Development	Python, MATLAB, Tensorflow, PyTorch, Caffe.