

# Kangxue Yin

Email: [yinkangxue@gmail.com](mailto:yinkangxue@gmail.com)

Website: [kangxue.org](http://kangxue.org)

## Education

- Sep. 2015 – May. 2020 (expected)  
Ph.D. in Computer Science, **Simon Fraser University**, Burnaby, Canada  
- Supervisor: Prof. Hao (Richard) Zhang  
- Committee members: Prof. Hui Huang, Prof. Daniel Cohen-Or
- Sep. 2008 - Jul. 2012  
B.Eng. in Software Engineering, **Chang'an University**, Xi'an, China  
- Advisor: Prof. Youquan Liu

## Work Experience

- Jun. 2019 - Sep. 2019  
Research Intern, **Adobe Research**, San Francisco, U.S.  
- with Dr. Siddhartha Chaudhuri, Dr. Matthew Fisher, and Dr. Vladimir Kim.
- Jul. 2012 - Aug. 2015  
Research Assistant, **Shenzhen Institutes of Advanced Technology, CAS**, Shenzhen, China  
- with Prof. Hui Huang, Prof. Daniel Cohen-Or, Prof. Hao (Richard) Zhang

## Publications

- [1]. LOGAN: Unpaired Shape Transform in Latent Overcomplete Space  
**K. Yin**, Z. Chen, H. Huang, D. Cohen-Or, H. Zhang.  
ACM Transactions on Graphics 38(6)(Special Issue of SIGGRAPH ASIA 2019 ).  
*[selected by SIGGRAPH ASIA 2019 as **one of six papers featured for press release**]*
- [2]. BAE-NET: Branched Autoencoder for Shape Co-Segmentation.  
Z. Chen, **K. Yin**, M. Fisher, S. Chaudhuri, H. Zhang.  
Proc. of ICCV 2019
- [3]. P2P-NET: Bidirectional Point Displacement Net for Shape Transform.  
**K. Yin**, H. Huang, D. Cohen-or, H. Zhang.  
ACM Transactions on Graphics 37(4)(Special Issue of SIGGRAPH 2018 ).
- [4]. A Sampling Approach to Generating Closely Interacting 3D Pose-pairs from 2D Annotations.  
**K. Yin**, H. Huang, E. Ho, H. Wang, T. Komura, D. Cohen-Or, H. Zhang.  
IEEE Transactions on Visualization and Computer Graphics(TVCG), 2018.
- [5]. Full 3D Plant Reconstruction via Intrusive Acquisition.  
**K. Yin**, H. Huang, P. Long, A. Gaissinski, M. Gong, A. Sharf.  
Computer Graphics Forum(CGF) 34(2), 2016.
- [6]. Generalized Cylinder Decomposition.  
Y. Zhou, **K. Yin**, H. Huang, H. Zhang, M. Gong, D. Cohen-Or.  
ACM Transactions on Graphics 34(6) (Special Issue of SIGGRAPH ASIA 2015 ).
- [7]. Morfit: Interactive Surface Reconstruction from Incomplete Point Clouds with Curve-Driven Topology and Geometry Control.  
**K. Yin**, H. Huang, H. Zhang, M. Gong, D. Cohen-or, B. Chen.  
ACM Transactions on Graphics 33(6) (Special Issue of SIGGRAPH ASIA 2014).
- [8]. "Mind the Gap": Tele-Registration for Structure-Driven Image Completion.  
H. Huang, **K. Yin**, M. Gong, D. Lischinski, D. Cohen-Or, U. Ascher, B. Chen.  
ACM Transactions on Graphics 32(6) (Special Issue of SIGGRAPH ASIA 2013).

## References

Hao(Richard) Zhang  
Professor, Simon Fraser University  
[haoz@sfu.ca](mailto:haoz@sfu.ca)

Daniel Cohen-Or  
Professor, Tel Aviv University  
[dcor@tau.ac.il](mailto:dcor@tau.ac.il)

Siddhartha Chaudhuri  
Senior Research Scientist, Adobe Research  
[sidch@adobe.com](mailto:sidch@adobe.com)

## Teaching Experience

CMPT 225 – Data Structures and Programming	TA, Summer 2016, SFU
CMPT 102 – Introduction to Scientific Computer Programming	TA, Fall 2018, SFU
CMPT 767 – Visualization	TA, Fall 2018, SFU
CMPT 742 – Practices in Visual Computing	TA, Fall 2019, SFU

## Technical Skills

Programming - C/C++, Python, Matlab, TensorFlow, OpenGL, CUDA, etc.

## Program Committees

ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games (I3D) 2020

## Selected Honors

Chinese Government Award for Outstanding Self-financed Students Abroad	2018
SFU Graduate Fellowship	SFU, 2016~17
Faculty of Applied Sciences Graduate Fellowship	SFU, 2016~17
Computing Science Graduate Fellowship	SFU, 2015~18
Special Graduate Entrance Scholarship	SFU, 2015
Annual Excellent Employee Award	SIAT@CAS, 2014
Annual Excellent Employee Award	SIAT@CAS, 2013
2nd Prize in NVIDIA GPU Programming Contest	NVIDIA China, 2011
3rd Prize in NVIDIA GPU Programming Contest	NVIDIA China, 2010
Top Class Scholarship awarded by Chang'an University	2009-10

## Patents

7 China patents - CN104408765B, CN104851126B, CN104050720B, CN103489190B, CN103218785B, CN109544700A, CN109002163A

3 U.S. patents - US9710725B2, US9547885B2, US10121283B2