

# Kangxue Yin

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## Education

- Sep. 2015 - now  
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

## Professional 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.  
accepted to SIGGRAPH ASIA 2019
- [2]. BAE-NET: Branched Autoencoder for Shape Co-Segmentation.  
Z. Chen, **K. Yin**, S. Chaudhuri, M. Fisher, H. Zhang.  
accepted to 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).

## ***Technical Skills***

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

## ***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

## ***Selected Honors***

Chinese Government Award for Outstanding Self-finance Students Abroad

2018

Adobe Research Fellowship Finalist

2018

Special Graduate Entrance Scholarship

SFU, 2015

Annual Excellent Employee Award

SIAT@CAS, 2013 & 2014

2nd Prize in NVIDIA GPU Programming Contest

NVIDIA China, 2011

3rd Prize in NVIDIA GPU Programming Contest

NVIDIA China, 2010