

# Zhiqin Chen

Ph.D. student  
School of Computing Science  
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## Education

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Simon Fraser University (SFU), Canada *Sep 2019 - present*  
Ph.D. in Computing Science under the supervision of Prof. Hao (Richard) Zhang  
**GPA: 4.33/4.33**

Simon Fraser University (SFU), Canada *Sep 2017 - Aug 2019*  
M.Sc. in Computing Science under the supervision of Prof. Hao (Richard) Zhang  
**GPA: 4.33/4.33**

Shanghai Jiao Tong University (SJTU), China *Sep 2013 - June 2017*  
Bachelor of Science in Computer Science and Technology

## Awards and Honors

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NVIDIA Graduate Fellowship Finalist, 2021  
Best Student Paper Award, CVPR 2020  
Faculty of Applied Sciences Graduate Fellowship, 2018

## Publications

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Zhiqin Chen, Vladimir G. Kim, Matthew Fisher, Noam Aigerman, Hao Zhang, and Siddhartha Chaudhuri  
DECOR-GAN: 3D Shape Detailization by Conditional Refinement  
Computer Vision and Pattern Recognition (CVPR), 2021, oral

Kangxue Yin, Zhiqin Chen, Siddhartha Chaudhuri, Matthew Fisher, Vladimir G. Kim, Hao Zhang  
COALESCE: Component Assembly by Learning to Synthesize Connections  
International Conference on 3D Vision (3DV), 2020, oral

Zhiqin Chen, Andrea Tagliasacchi, and Hao Zhang  
BSP-Net: Generating Compact Meshes via Binary Space Partitioning  
Computer Vision and Pattern Recognition (CVPR), 2020, oral  
**CVPR 2020 Best Student Paper Award**

Zhiqin Chen, Kangxue Yin, Matthew Fisher, Siddhartha Chaudhuri, and Hao Zhang  
BAE-NET: Branched Autoencoder for Shape Co-Segmentation  
International Conference on Computer Vision (ICCV), 2019

Kangxue Yin, Zhiqin Chen, Hui Huang, Daniel Cohen-Or, Hao Zhang  
LOGAN: Unpaired Shape Transform in Latent Overcomplete Space  
SIGGRAPH Asia, 2019

Zhiqin Chen and Hao Zhang  
Learning Implicit Fields for Generative Shape Modeling  
Computer Vision and Pattern Recognition (CVPR), 2019

Zili Yi, Zhiqin Chen, Hao Cai, Wendong Mao, Minglun Gong, Hao Zhang  
BSD-GAN: Branched Generative Adversarial Network for Scale-Disentangled Representation Learning  
and Image Synthesis  
IEEE Transactions on Image Processing (TIP), 2020

Zhiqin Chen, Yufeng Zhang, Hesheng Wang, Weidong Chen  
Real-time Tag Recognition Based on Morphology and Local Contrast  
IEEE International Conference on Real-time Computing and Robotics (RCAR), 2016

## Teaching

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[TA] Spring 2020 - CMPT 743 G101 practices in visual computing II  
[TA] Spring 2019 - CMPT 743 G101 practices in visual computing II  
[TA] Fall 2017 - CMPT 120 D100 introduction to computing science and programming I

## Working experience

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Adobe Internship, May - Nov, 2020

## Services

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[Reviewer] GMOD 2018, PG 2019, CVPR 2020, SIGGRAPH Asia 2020, PG 2020, TOG 2020, WACV  
2021, ICME 2021, CVPR 2021, IJCAI 2021, IJCV 2021