

# Zhiqin Chen

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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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Kangxue Yin, Zhiqin Chen, Siddhartha Chaudhuri, Matthew Fisher, Vladimir 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

## PATENTS

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Hesheng Wang, Weidong Chen, Yufeng Zhang, Zhiqin Chen, Pengfei Su  
Intelligence Library Management Robot  
9 pages, 2015 National Invention Patent, No. 201510257563.3

Hesheng Wang, Weidong Chen, Zhiqin Chen, Yufeng Zhang, Pengfei Su  
Self-acting Book Manipulating Mechanism  
7 pages, 2015 National Invention Patent, No. 201510563923.2

Hesheng Wang, Weidong Chen, Pengfei Su, Zhiqin Chen, Yufeng Zhang  
Automatic Device for Book Managing  
7 pages, 2015 National Invention Patent, No. 201510563922.8

## 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] Graphical Models (GMOD) 2018, Pacific Graphics (PG) 2019, CVPR 2020, SIGGRAPH Asia 2020, Pacific Graphics (PG) 2020, WACV 2021.