

QIMIN CHEN

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<https://qiminchen.github.io>

EDUCATION

Simon Fraser University, Burnaby, Canada 01/2021 - 01/2026 (expected)
Ph.D. in Computing Science, supervisor: Hao (Richard) Zhang GPA: 4.20/4.33

University of California, San Diego, United States 09/2018 - 03/2020
M.Sc. in Computational Science, supervisor: David J. Kriegman GPA: 3.76/4.00

Fuzhou University, Fuzhou, China 09/2014 - 06/2018
B.S. in Computer Science and Technology

WORK EXPERIENCE

Adobe Inc, Seattle 05/2024 - 08/2024
Research Scientist Intern
Supervisors: Vladimir Kim, Siddhartha Chaudhuri and Zhiqin Chen

Adobe Inc, Seattle 05/2023 - 08/2023
Research Scientist Intern
Supervisors: Vladimir Kim and Siddhartha Chaudhuri

Machine Learning, Perception and Cognition Lab, UCSD 06/2019 - 04/2020
Student Research Assistant
Supervisors: Zhuowen Tu

PUBLICATIONS

GenVDM: Generating Vector Displacement Maps From a Single Image
Yuezhi Yang, **Qimin Chen**, Vladimir Kim, Siddhartha Chaudhuri, Qixing Huang, Zhiqin Chen
CVPR 2025

DECOLLAGE: 3D Detailization by Controllable, Localized, and Learned Geometry Enhancement
Qimin Chen, Zhiqin Chen, Vladimir Kim, Noam Aigerman, Hao Zhang, Siddhartha Chaudhuri
ECCV 2024

DAE-Net: Deforming Auto-Encoder for Fine-grained Shape Co-segmentation
Zhiqin Chen, **Qimin Chen**, Hang Zhou, Hao Zhang
SIGGRAPH (Conference) 2024

ShaDDR: Interactive Example-Based Geometry and Texture Generation via 3D Shape Detailization and Differentiable Rendering

Qimin Chen, Zhiqin Chen, Hang Zhou, Hao Zhang
SIGGRAPH Asia (Conference) 2023

D²CSG: Unsupervised Learning of Compact CSG Trees with Dual Complements and Dropouts

Fenggen Yu, **Qimin Chen**, Maham Tanveer, Ali Mahdavi-Amiri, Hao Zhang
NeurIPS 2023.

UNIST: Unpaired Neural Implicit Shape Translation Network

Qimin Chen, Johannes Merz, Aditya Sanghi, Hooman Shayani, Ali Mahdavi-Amiri, Hao Zhang
CVPR 2022

A New Deep Learning Engine for CoralNet

Qimin Chen, Oscar Beijbom, Stephen Chan, Jessica Bouwmeester, David Kriegman
ICCV Workshops 2021

Topology-Aware Single-Image 3D Shape Reconstruction

Qimin Chen, Vincent Nguyen, Feng Han, Raimondas Kiveris, Zhuowen Tu
CVPR Workshops 2020

REVIEWER SERVICES

TOG, SIGGRAPH (2025), SIGGRAPH Asia (2023, 2024), CVPR (2023, 2024, 2025), ICCV (2025), ECCV (2024), Eurographics (2025), TVCG, AAAI (2024)

TEACHING EXPERIENCE

Teaching Assistant, Simon Fraser University CMPT 420/728: Deep Learning Instructor: Prof. Wuyang Chen	01/2025 - 04/2025
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Teaching Assistant, Simon Fraser University CMPT 762: Computer Vision Instructor: Prof. Yasutaka Furukawa	01/2022 - 04/2022
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Teaching Assistant, Simon Fraser University CMPT 464/764: Geometric Modeling in Computer Graphics Instructor: Prof. Hao (Richard) Zhang	09/2021 - 12/2021
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Teaching Assistant, UC San Diego CSE 152: Introduction to Computer Vision Instructor: Prof. David J. Kriegman	03/2019 - 06/2019
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AWARDS

SFU Ph.D. Research Scholarship, 2023, 2024

SFU Graduate Fellowship, 2021, 2022, 2023

SFU Inaugural Outstanding TA Award, 2022