QIMIN CHEN

Ph.D. student
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EDUCATION

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

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

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

PUBLICATION

- DECOLLAGE: 3D Detailization by Controllable, Localized, and Learned Geometry Enhancement.
  Qimin Chen, Zhiqin Chen, Vladimir G. Kim, Noam Aigerman, Hao Zhang, Siddhartha Chaudhuri.
  European Conference on Computer Vision (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.

- D^2CSG: Unsupervised Learning of Compact CSG Trees with Dual Complements and Dropouts.
  Fenggen Yu, **Qimin Chen**, Maham Tanveer, Ali Mahdavi-Amiri, Hao Zhang.
  Conference on Neural Information Processing Systems (NeurIPS), 2023.

- UNIST: Unpaired Neural Implicit Shape Translation Network.
  Qimin Chen, Johannes Merz, Aditya Sanghi, Hooman Shayani, Ali Mahdavi-Amiri, Hao Zhang.
  The IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2022.

- A New Deep Learning Engine for CoralNet.
  Qimin Chen, Oscar Beijbom, Stephen Chan, Jessica Bouwmeester, David Kriegman.
  International Conference on Computer Vision (ICCV) Workshops, 2021.

- Topology-Aware Single-Image 3D Shape Reconstruction.
  Qimin Chen, Vincent Nguyen, Feng Han, Raimondas Kiveris, Zhuowen Tu.
  The IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops, 2020.

WORK EXPERIENCE

- Adobe Internship *05 / 2024 - 08 / 2024*
- Adobe Internship *05 / 2023 - 11 / 2023*
- Center for Visual Computing Lab, UC San Diego *09 / 2018 - 01 / 2021*
- Brown Visual Computing Lab, Brown University *07 / 2020 - 12 / 2020*
- Machine Learning, Perception and Cognition Lab, UC San Diego *06 / 2019 - 04 / 2020*

TEACHING

- CMPT 762: Computer Vision [Spring 22] Simon Fraser University
- CMPT 464/764 - Geometric Modeling in Computer Graphics [Fall 21] Simon Fraser University
- CSE 152 - Introduction to Computer Vision [Spring 19] *UC San Diego*

AWARDS

- SFU Ph.D. Research Scholarship, 2023, 2024
- SFU Graduate Fellowship, 2021, 2022, 2023
- SFU Inaugural Outstanding TA Award, 2022

REVIEWER SERVICES

- SIGGRAPH Asia 2023, 2024
- CVPR 2023, 2024
- ECCV 2024