Fenggen Yu

PERSONAL INFORMATION

Position: Ph.D. Student
School of Computing Science
Simon Fraser University, Burnaby, BC, Canada

Email: fenggen_yu@sfu.ca
URL: http://fenggenyu.github.io

RESEARCH INTERESTS

Computer Graphics, Deep Learning and Computer Vision

EDUCATION

NANJING UNIVERSITY, Nanjing, Jiangsu, China
Master, Department of Computer Science & Technology, 2016-2019
Bachelor, Department of Computer Science & Technology, 2012-2016
SIMON FRASER UNIVERSITY, Vancouver, BC, Canada
Doctor of Philosophy Program, School of Computing Science, 2019-Now

HONORS AND GRANDS

SFU Graduate Fellowships, 2019-2020,2020-2021,2021-2022
SFU Graduate Dean's Entrance Scholarship, 2019(Top 3%)
The National Scholarship of Graduate Student, 2018(Top 3%)
Excellent Graduate Student of Nanjing University, 2017(Top 10%)
Excellent Under Graduate Student of Nanjing University, 2016(Top 10%)
The National Scholarship of Undergraduate Student, 2015(Top 3%)

ACADEMIC SERVICE

Reviewer of Computers & Graphics(An International Journal of Systems & Applications in Computer Graphics)
Reviewer of Frontiers of Computer Science
Reviewer of Journal of Visual Communication and Image Representation

REFEREED JOURNAL PUBLICATIONS

1. **Fenggen Yu**, Zhiqin Chen, Manyi Li, Aditya Sanghi, Hooman Shayani, Ali Mahdavi-Amiri, and Hao Zhang, “CAPRI-Net: Learning Compact CAD Shapes with Adaptive Primitive Assembly”, CVPR 2022
2. Jiongchao Jin, Arezou Fatemi, Wallace Lira, **Fenggen Yu**, Biao Leng, Rui Ma, Ali Mahdavi-Amiri and Hao(Richard) Zhang., “RaidaR: A Rich Annotated Image Dataset of Rainy Street Scenes.”, ICCV 2021, Workshop on Autonomous Vehicle Vision
3. Ali Mahdavi-Amiri, **Fenggen Yu,** Haisen Zhao, Adriana Schulz, and Hao Zhang, “VDAC:Volume Decompose-and-Carve for Subtractive Manufacturing", conditionally accepted to ACM Transactions on Graphics (Special Issue of SIGGRAPH Asia), 2020
4. **Fenggen Yu**, Kun Liu, Yan Zhang, Chengyang Zhu, Kai Xu, “PartNet: A Recursive Part

Decomposition Network for Hierarchical Segmentation of 3D Shapes." *Computer Vison and Pattern Recognition (CVPR 2019)*

5. **Fenggen Yu,** Yan Zhang, Kai Xu, Ali Mahdavi-Amiri, Hao Zhang, "Semi-Supervised Co-Analysis of 3D Shape Styles from Projected Lines," *ACM Trans. On Graphics (SIGGRAPH 2018)*
6. **Fenggen Yu**, Zhongyu Sun, Panpan Shui, Yan Zhang, Zhengxing Sun, "User-Driven 3D Models Dynamic Classification Based on Interactive," *CAD/Graphics 2017(Short paper)*
7. Pengyu Wang, Yuan Gan, Panpan Shui, **Fenggen Yu**, Yan Zhang, Songle Chen, Zheng-xing Sun, "3D Shape Segmentation via Shape Fully Convolutional Networks," *CAD/Gr- aphics 2017*
8. PanPan Shui, Pengyu Wang, **Fenggen Yu**, Bingyang Hu, Yuan Gan, Kun Liu, Yan Zhang, "3D Shape Segmentation Based on Viewpoint Entropy and Projective Fully Convolutional Networks Fusing Multi-view Features," *International Conference on Pattern Recognition(ICPR 2018)*
9. Yuan Gan, Pengyu Wang, Kun Liu, **Fenggen Yu**, Panpan Shui, Bingyang Hu, Yan Zhang, Zhengxing Sun, *ICCV 2017 ShapeNet challenge, 3rd*
10. Yan Zhang, Wentao Wu, **Fenggen Yu**, Zhongyu Sun, Shaoshan Zhu, Zhengxing Sun, "3D shape classification method based on NMF," *Patent 2016*

WORK EXPERIENCE

Huawei technologies Canada, Engineer Intern(Remote), 2021 May - Aug

Facebook Canada co, Ltd, Research Intern(Remote), 2021 Sep - Dec

SKILLS

Matlab, Python, C++, Java

Pytorch, Tensorflow, OpenGL, VTK