JIAPENG TANG

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EDUCATION

South China University of Technology *Sept. 2014 - June. 2018*
Bachelor of Engineering, Information Engineering GPA: 3.85/4 Ranking: 6/61

South China University of Technology *Sept. 2018 - June. 2021 (Expected)*
Master of Signal and Information Processing, Supervised by Prof. Kui Jia GPA: 3.73/4

RESEARCH INTERESTS

3D Reconstruction, Mesh Generation, Multi View Stereo, Human Body Recovery

PUBLICATIONS

J. Tang, X. Han, J. Pan K. Jia and X. Tong. A Skeleton-bridged Deep Learning Approach for Generating Meshes of Complex Topologies from Single RGB Images. The IEEE Conference on Computer Vision and Pattern Recognition, (**CVPR**), 2019, **Oral presentation**

J. Pan, X. Han, W. Chen, **J. Tang** and K. Jia. Deep Mesh Reconstruction from Single RGB Images via Topology Modification Networks, (**ICCV**), 2019

J. Tang, X. Han, K. Jia, L. Zhang and X. Tong. SkeletonNet: A Topology-Preserving Solution for Learning Mesh Reconstruction of Object Surfaces from RGB Images, Submitted to IEEE Transactions on Pattern Analysis and Machine Intelligence (**TPAMI**),2020

EXPERIENCE

The Chinese University of Hong Kong, Shenzhen *July. 2018 - Sep. 2018*
Research Intern, Supervised by **Prof. Xiaoguang Han**
Focus on the topology-aware object mesh generation.

DAMO Academy, Alibaba Group *Jun. 2020 - Present*
Research Intern, Supervised by **Prof. Lei Zhang**
Focus on the 3D Human Shape and Pose Estimation from single RGB images.

AWARDS

South China University of Technology Scholarship *2015-2017*

OTHERS

Programming Language: Python, C++/Cuda, Matlab

Deep Learning Platform: PyTorch, TensorFlow

I have been working for 3D object reconstruction from RGB images or point cloud. All my publications focus on how to solve the topology preservation problem in the learning-based mesh reconstruction. Currently, I am working on the problem of human body recovery. For more information, please visit my website at: https://tangjiapeng.github.io.