

Minghua Liu

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EDUCATION

University of California, San Diego September 2019 - Present
Ph.D. in Computer Science and Engineering
Tsinghua University August 2015 - July 2019
B.Eng. in Computer Science and Technology
GPA: 3.86 Rank: 3/154

PUBLICATIONS AND MANUSCRIPTS

Publications

- Minghua Liu, Lu Sheng, Sheng Yang, Jing Shao, and Shi-Min Hu. Morphing and Sampling Network for Dense Point Cloud Completion. In *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*. 2020.
- Minghua Liu, Hang Ma, Jiaoyang Li, and Sven Koenig. Task and Path Planning for Multi-Agent Pickup and Delivery. In *Proceedings of the International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS)*. 2019.
- Sheng Yang, Beichen Li, Minghua Liu, Yu-Kun Lai, Leif Kobbelt, and Shi-Min Hu. HeteroFusion: Robust Scene Reconstruction using Heterogeneous Sensors on Robots. In *IEEE Transactions on Visualization and Computer Graphics (TVCG)*. 2019.
- Sheng Yang, Kang Chen, Minghua Liu, Hongbo Fu, and Shi-Min Hu. Saliency-aware Real-time Volumetric Fusion for Object Reconstruction. In *Computer Graphics Forum (Pacific Graphics)*. 2017.

RESEARCH EXPERIENCE

Research Intern – SenseTime Group Limited, Beijing

Advisor: Jing Shao January 2019 - July 2019

- Worked on 3D deep learning project.

Research Intern – Intelligent Decision Making Group, University of Southern California

Advisor: Prof. Sven Koenig July 2018 - September 2018

- Worked on multi-agent path finding project.

Research Assistant – Graphics and Geometric Computing Group, Tsinghua University

Advisor: Prof. Shi-Min Hu March 2017 - September 2018

- Worked on 3D reconstruction projects.

TEACHING EXPERIENCE

Teaching Assistant for Software Engineering

Fall 2017, Fall 2018

Tutor for Fundamentals of Programming

Fall 2015

SELECTED AWARDS & HONORS

Powell Fellowship 2019
Zhong Shimo Scholarship 2018
Honorable Prize, KDD Cup 2018
China National Scholarship 2017
Qualcomm Scholarship 2017
Scholarship of Academic Excellence 2016
Silver Medal, National Olympiad in Informatics 2014