

Ningna Wang

✉ ningna.wang@utdallas.edu | 🏠 ningnawang.github.io | 📷 ningnawang | 🎓 Ningna Wang

Education

University of Texas at Dallas

PhD candidate in Computer Science

Research direction: computer graphics, geometry processing

Dallas, TX, USA

2019 - Current

Carnegie Mellon University

MS in Computer Science

Pittsburgh, PA, USA

2014 - 2016

Jilin University

BS in Computational Mathematics

Changchun, China

2010 - 2014

Work Experience

University of Texas at Dallas

Research Assistant

Teaching Assistant

- Advisor: Professor Xiaohu Guo

Dallas, TX, USA

2022, 2023 Summer

2020, 2021 Summer

Booking.com B.V.

Senior Software Engineer

Core Software Engineer

Graduate Software Engineer

- Responsible for the continued operation and development of hotel availability search system

Amsterdam, Netherlands

Nov 2018 - July 2019

Aug. 2017 - Nov. 2018

Aug. 2016 - Aug. 2017

Publications

Globally Consistent Normal Orientation for Point Clouds by Regularizing the Winding-Number Field **[Best Paper Award]**

Rui Xu, Zhiyang Dou, **Ningna Wang**, Shiqing Xin, Shuangmin Chen, Mingyan Jiang, Xiaohu Guo, Wenping Wang, Changhe Tu
ACM Transactions on Graphics (SIGGRAPH) (2023). ACM New York, NY, USA, 2023

S3DS: Self-supervised Learning of 3D Skeletons from Single View Images

Jianwei Hu, **Ningna Wang**, Baorong Yang, Gang Chen, Xiaohu Guo, Bin Wang
to appear in ACM International Conference on Multimedia (MM 2023) (2023). 2023

Computing Medial Axis Transform with Feature Preservation via Restricted Power Diagram **[Journal Track]**

Ningna Wang, Bin Wang, Wenping Wang, Xiaohu Guo
ACM Transactions on Graphics (SIGGRAPH Asia) 41.6 (2022) pp. 1–18. ACM New York, NY, USA, 2022

IMMAT: Mesh Reconstruction from Single View Images by Medial Axis Transform Prediction

Jianwei Hu, Gang Chen, Baorong Yang, **Ningna Wang**, Xiaohu Guo, Bin Wang
Computer-Aided Design (2022) p. 103304. Elsevier, 2022

A method of realistic leaves modeling based on point cloud

Yinghui Wang, Wen Hao, Gang Wang, Xiaojuan Ning, Jing Tang, Zhenghao Shi, **Ningna Wang**, Minghua Zhao
Proceedings of the 12th ACM SIGGRAPH International Conference on Virtual-Reality Continuum and Its Applications in Industry, 2013

Invited Talks

Computing Medial Axis Transform with Feature Preservation via Restricted Power Diagram

ACM SIGGRAPH ASIA 2022

Digital Media Computations of Xiamen University

Daegu, South Korea, Dec 2022

Online, Nov 2022

Review Service

Pacific Graphics IPC

IEEE Transactions on Visualization and Computer Graphics (TVCG)

2023

2022