

Ningna Wang

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Education

University of Texas at Dallas

PhD candidate in Computer Science

Dallas, TX, USA

2019 - Current

Research direction: computer graphics, geometry processing

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

Dallas, TX, USA

2022, 2023 Summer

Teaching Assistant

2020, 2021 Summer

- Advisor: Professor Xiaohu Guo

Shenzhen University

Research Intern

Guangdong, China

Oct-Dec 2023

- Advisor: Professor Hui Huang

Booking.com B.V.

Senior Software Engineer

Amsterdam, Netherlands

Nov 2018 - July 2019

Core Software Engineer

Aug. 2017 - Nov. 2018

Graduate Software Engineer

Aug. 2016 - Aug. 2017

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

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

Review Service

International Conference on Geometric Modeling and Processing (GMP)

2024

Graphical Models

2024

Pacific Graphics IPC

2023

IEEE Transactions on Visualization and Computer Graphics (TVCG)

2022