

Ningna Wang

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Summary

I am a PhD student at the University of Texas at Dallas (UTD), under the supervision of Professor **Xiaohu Guo**. My research interest is computer graphics, geometric modeling and 3D reconstruction. I'm actively seeking **internship** position starting in the **Spring 2024**. The closest pronunciation of my name in English is /niŋ-na/ /wɔŋ/.

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

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**)

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

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

Computing Medial Axis Transform with Feature Preservation via Restricted Power Diagram

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

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

Daegu, South Korea, Dec 2022

Digital Media Computations of Xiamen University

Online, Nov 2022

Review Service

IEEE Transactions on Visualization and Computer Graphics (TVCG)

2022

Pacific Graphics IPC

2023