Ningna Wang

ningna.wang@utdallas.com | ningnawang.github.io | ningnawang | Ningna Wang

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 — *Dallas, TX, USA*
PhD candidate in Computer Science — *2019 - Current*
Research direction: computer graphics, geometry processing

Carnegie Mellon University — *Pittsburgh, PA, USA*
MS in Computer Science — *2014 - 2016*

Jilin University — *Changchun, China*
BS in Computationl Mathematics — *2010 - 2014*

Work Experience

University of Texas at Dallas — *Dallas, TX, USA*
Research Assistant — *2022, 2023 Summer*
Teaching Assistant — *2020, 2021 Summer*
- Advisor: Professor Xiaohu Guo

Booking.com B.V. — *Amsterdam, Netherlands*
Senior Software Engineer — *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

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 **[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

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

Pacific Graphics IPC — *2023*
IEEE Transactions on Visualization and Computer Graphics (TVCG) — *2022*