Ningna Wang

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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

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 *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*