

Maizhen Ning

Duke Kunshan University, Kunshan, Jiangsu, China
Tell: 008615135192078 ◇ Email: maizhen.ning@dukekunshan.edu.cn
Website: <https://ning-mz.github.io>

EDUCATION

Ph.D. in Computer Science University of Liverpool, UK, joint supervision at Xi'an Jiaotong-Liverpool University Supervisors: Prof. Qiufeng Wang, Prof. Kaizhu Huang, Prof. Xiaowei Huang	Dec 2020 - Jul 2025
Bachelor of Science in Computer Science (First Class) Cooperation between the University of Liverpool and Xi'an Jiaotong-Liverpool University	Sep 2016 - May 2020

RESEARCH INTERESTS

Plane Geometry Problem Solving, Math Reasoning with LLM, Document Processing

RESEARCH PUBLICATION

* Denotes Equal Contribution. See full list at Google Scholar.

<i>DvD: Unleashing a Generative Paradigm for Document Dewarping via Coordinates-based Diffusion Model</i> Weiguang Zhang, Huangcheng Lu, Maizhen Ning , Xiaowei Huang, Wei Wang, Kaizhu Huang, Qiufeng Wang The 17th ACM SIGGRAPH Conference and Exhibition on Computer Graphics and Interactive Techniques in Asia (SIGGRAPH Asia)	Aug 2025
<i>Is Your Model Really a Good Math Reasoner? Evaluating Mathematical Reasoning with Checklist</i> Zihao Zhou*, Shudong Liu*, Maizhen Ning , Wei Liu, Jindong Wang, Derek F Wong, Xiaowei Huang, Qiufeng Wang, Kaizhu Huang The 13th International Conference on Learning Representations (ICLR)	Apr 2025
<i>GNS: Solving Plane Geometry Problems by Neural-Symbolic Reasoning with Multi-Modal LLMs</i> Maizhen Ning* , Zihao Zhou*, Qiufeng Wang, Xiaowei Huang, Kaizhu Huang The 39th Annual AAAI Conference on Artificial Intelligence (AAAI) as Oral Presentation	Feb 2025
<i>A Symbolic Characters Aware Model for Solving Geometry Problems</i> Maizhen Ning , Qiufeng Wang, Kaizhu Huang, Xiaowei Huang The 31st ACM International Conference on Multimedia (ACM MM)	Oct 2023
<i>Learning by Analogy: Diverse Questions Generation in Math Word Problem</i> Zihao Zhou*, Maizhen Ning* , Qiufeng Wang, Jie Yao, Wei Wang, Xiaowei Huang, Kaizhu Huang Findings of the Association for Computational Linguistics: ACL 2023 (ACL Findings)	Jul 2023
<i>A Segment-Based Layout Aware Model for Information Extraction on Document Images</i> Maizhen Ning , Qiufeng Wang, Kaizhu Huang, Xiaowei Huang The 28th International Conference on Neural Information Processing (ICONIP)	Dec 2021

EXPERIENCE

Post Doc Research Fellow Duke Kunshan University	Aug 2025 - Present
Teaching Assistant School of Advanced Technology, XJTU	Mar 2021 - May 2024
Technician Intern Management Information Technology and System Office, XJTU	Sep 2016 - Jul 2017

HONORS AND AWARDS

Full Doctoral Scholarship: University of Liverpool and Xi'an Jiaotong-Liverpool University	Dec 2020
RoboMaster 2022: First prize in the RoboMaster National Competition, XJTU Team	Aug 2022
RoboMaster 2021: Second prize in the RoboMaster National Competition, XJTU Team	Aug 2021
RoboMaster 2019: Third prize in the RoboMaster International Competition, UoL Team	Aug 2019