## Maizhen Ning

Xi'an Jiaotong-Liverpool University, Ren'ai 111 Road, Suzhou, Jiangsu-215123, China Tell:  $008615135192078 \diamond Email: maizhen.ning16@student.xjtlu.edu.cn$ 

EDUCATION	
PhD Student in Comuter Science University of Liverpool, UK Based on off-site and joint supervision at Xi'an Jiaotong-Liverpool University Supervisors: Prof. Qiufeng Wang, Prof. Kaizhu Huang, Prof. Xiaowei Huang	Dec 2020 - Present
Bachelor of Science in Computer Science (First Class) Cooperation between the University of Liverpool and Xi'an Jiaotong-Liverpool University University of Liverpool, UK, Supervisor: Prof. Xiaowei Huang Xi'an Jiaotong-Liverpool University, China	Sep 2016 - May 2020 Sep 2018 - May 2020 Sep 2016 - May 2018
RESEARCH INTERESTS	
Plane Geometry Problem Solving, Math Word Problem Solving, Math Problem Generation Reasoning, Natural Language Processing, Document Information Extraction	, Large Language Model
RESEARCH PUBLICATION	
* Denotes Equal Contribution. See the full list in Google Scholar.	
GNS: Solving Plane Geometry Problems by Neural-Symbolic Reasoning with Maizhen Ning*, Zihao Zhou*, Qiufeng Wang, Xiaowei Huang, Kaizhu Huang The 39th Annual AAAI Conference on Artificial Intelligence (AAAI)	<i>fulti-Modal LLMs</i> Feb 2025
Is Your Model Really a Good Math Reasoner? Evaluating Mathematical Reason Zihao Zhou*, Shudong Liu*, Maizhen Ning, Wei Liu, Jindong Wang, Derek F Wong, Wang, Kaizhu Huang arxiv preprint	_
A Symbolic Characters Aware Model for Solving Geometry Problems Maizhen Ning, Qiufeng Wang, Kaizhu Huang, Xiaowei Huang The 31st ACM International Conference on Multimedia (ACM MM)	Oct 2024
Learning by Analogy: Diverse Questions Generation in Math Word Problem Zihao Zhou*, Maizhen Ning*, Qiufeng Wang, Jie Yao, Wei Wang, Xiaowei Huang, Kaizhu Findings of the Association for Computational Linguistics: ACL 2023 (ACL Findings)	ı Huang Jul 2023
A Segment-Based Layout Aware Model for Information Extraction on Documer Maizhen Ning, Qiufeng Wang, Kaizhu Huang, Xiaowei Huang The 28th International Conference on Neural Information Processing (ICONIP)	nt Images  Dec 2021
EXPERIENCE	
Teaching Assistant School of Advanced Technology, XJTLU Technology Tytopp	Mar 2021 - May 2024
Technician Intern Management Information Technology and System Office, XJTLU	Sep 2016 - Jul 2017
HONORG AND AWARDS	

## HONORS AND AWARDS

Full Doctoral Scholarship, University of Liverpool and XJTLU	Dec 2020
RoboMaster 2022: First prize in the RoboMaster National Competition, XJTLU Team	Aug~2022
RoboMaster 2021: Second prize in the RoboMaster National Competition, XJTLU Team	Aug~2021
RoboMaster 2019: Third prize in the RoboMaster International Competition, UoL Team	Aug~2019