

# Peixian Ma

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 [Github](#) |  [Google Scholar](#) |  [Homepage](#)

Guangzhou, China

## SUMMARY

I received my M.Phil. degree in Data Science and Analytics (DSA) from The Hong Kong University of Science and Technology (Guangzhou) HKUST(GZ). During this study period, I received guidance and supervision from Prof. Yuyu Luo and Prof. Nan Tang. Before that, I have received the B.Eng. degree in Intelligence Science and Technology from Jinan University (JNU) in 2023. Since 2025, I worked as an intern in the International Digital Economy Academy and was under the supervision of Dr. Chengjin Xu.








## EDUCATION

- **The Hong Kong University of Science and Technology (Guangzhou)** Sep. 2023 - Jul. 2025  
*Master of Philosophy (M.Phil.) in Data Science and Analytics*  
◦ GPA: 3.9 / 4.0 Guangzhou, China
- **Jinan University** Sep. 2019 - Jul. 2023  
*Bachelor of Engineering (B.Eng.) in Intelligence Science and Technology*  
◦ GPA: 3.3 / 5.0 Guangzhou, China

## EMPLOYMENT

- **China Telecom** Jul. 2025 - Present  
*Algorithm Engineer* Guangzhou, China
- **IDEA Research, International Digital Economy Academy** Jan. 2025 - Jun. 2025  
*Intern for Large Language Model Engineering, FinAI Lab, FinKG Group* Shenzhen, China
- **Jinan University Big Data Center** Jan. 2023 - Jun. 2025  
*Intern for Data Mining and Analysis* Guangzhou, China

## PUBLICATIONS

- **SQL-R1: Training Natural Language to SQL Reasoning Model By Reinforcement Learning** NeurIPS 2025  
*Peixian Ma, Xiaile Zhuang, Chengjin Xu, Xuhui Jiang, Ran Chen, Jian Guo*  
- **A Survey of Text-to-SQL in the Era of LLMs: Where are We, and Where are We Going?** TKDE 2025  
*Xinyu Liu, Shuyu Shen, Boyan Li, Peixian Ma, Runzhi Jiang, Yuxin Zhang, Ju Fan, Guoliang Li, Nan Tang, Yuyu Luo* 
- **A Technical Study into 0.5B Reasoning Language Models** arXiv  
*Xialie Zhuang, Peixian Ma, Zhikai Jia, Zheng Cao, Shiwei Liu* 
- **Augmenting Continual Learning of Diseases with LLM-Generated Visual Concepts** BIBM 2025  
*Jiantao Tan, Peixian Ma, Kanghao Chen, Zhiming Dai, Ruixuan Wang* 
- **A Plug-and-Play Natural Language Rewriter for Natural Language to SQL** arXiv  
*Peixian Ma, Boyan Li, Runzhi Jiang, Ju Fan, Nan Tang, Yuyu Luo* 
- **Development and Validation of a Deep-broad Ensemble Model for Early Detection of Alzheimer's Disease** Front. Neurosci. 2023  
*Peixian Ma, Jing Wang, Zhiguo Zhou, C.L. Philip Chen, Junwei Duan* 

## HONORS AND AWARDS

- **Scholarship for Red Bird M.Phil.** 2023/2024, 2024/2025  
*The Hong Kong University of Science and Technology (Guangzhou)*
- **Distinguished Graduate** Jun. 2023  
*College of Information Science and Technology, Jinan University*
- **Second Class Scholarship for Excellent Student** Dec. 2022  
*Jinan University*
- **Third Class Scholarship for Excellent Student** Jun. 2021  
*Jinan University*

## VOLUNTEERS & SERVICES

- **VLDB 2024** Aug. 2024  
*Student Volunteer*
- **Student affairs officer** Sep. 2019 - Aug. 2020  
*Student Union of Jinan University*