

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

## EMPLOYMENT

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

## 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*