

# Hanmo Liu

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🌐 LinkedIn

🌐 Google Scholar



## Education

- Sep. 2021 - Aug. 2025    📖 **Ph.D. Candidate in Data Science and Analytics, Hong Kong University of Science and Technology (HKUST)**  
- Research Interests: *Continual learning on multimodal data (tables, images, graphs), data management for machine learning, auto machine learning.*  
- Supervisors: *Prof. Lei Chen and Prof. Can Yang*
- Sep. 2017 - May. 2021    📖 **B.Sc. in Honors Physics and Computer Science, Hong Kong University of Science and Technology (HKUST)**  
- Graduated with First Honors, GPA: 3.67/4.30
- Jun. 2018 - Aug. 2018    📖 **Exchange Student, Boston University**

## Research Publications

- 1    **H. Liu**, S. Di, H. Li, S. Li, L. Chen, and X. Zhou, "Effective data selection and replay for unsupervised continual learning," in *ICDE*, 2024.
- 2    J. Wang, S. Di, **H. Liu**, et al., *Computation-friendly graph neural network design by accumulating knowledge on large language models*, 2024. arXiv: 2408.06717 [cs.LG]. 🔗 URL: <https://arxiv.org/abs/2408.06717>.
- 3    **H. Liu**, S. Di, and L. Chen, "Incremental tabular learning on heterogeneous feature space," *Proceedings of the ACM on Management of Data*, vol. 1, no. 1, pp. 1–18, 2023.

## Entrepreneurship

- Jun. 2023 - Now    📖 **Alcademia: a revolutionary AI for education platform.**  
- Automate teaching material generation and assignment feedback with knowledge enhanced AI, related techniques include large language model agent design and retrieval augmented generation.  
- Secured 100kHKD funding from the Hong Kong Science & Technology Parks Ideation project.

## Employment History

- Jun. 2021 - Aug. 2021    📖 **Data Scientist Intern**, Collection and anti-fraud group, Jingdong Finance.  
- Collected and analyzed data on overdue loans using Python and SQL.  
- Developed a machine learning pipeline to assess user creditworthiness for loan approvals.









## Skills

- Languages    📖 Proficient in reading, writing, and speaking English and Mandarin Chinese, with basic skills in Cantonese.
- Coding    📖 Advanced in Python and  $\text{\LaTeX}$ , intermediate in SQL, ...
- ToolKit    📖 Pytorch, Scikit-learn, Pandas, Numpy, Matplotlib ...

## Miscellaneous Experience

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### Awards and Achievements

- 2024          **Research Travel Grant**, HKUST.
- 2023          **Second Prize Outstanding Paper of Guangdong**, Computer Academy of Guangdong.  
              **Most Popular Poster Award**, Information Hub, HKUST-GZ.  
              **Research Travel Grant**, HKUST.
- 2021          **Postgraduate Studentship**, HKUST.
- 2020          **Department Prize for Outstanding Student Performance**, HKUST, Physics Dept.
- 2018, 2019          **Academic Achievements**, Dean's List, HKUST, School of Science.
- 2018          **Exchange Student Scholarship**, HKUST.