Linglin Yang, Ph.D

Male | 2001.09.27

✉ linglinyang@stu.pku.edu.cn

Education

2021 – now	🔖	**Ph.D.** Data Science (Computer Science and Technology) Academy for Advanced Interdisciplinary Studies (AAIS), Peking University (PKU).
2017 – 2021	🔖	**B.Sc.** Mathematics and Applied Mathematics School of the Gifted Young (SGY), University of Science and Technology of China (USTC).

Research Publications

Journal Articles

1. **L. Yang**, X. Su, L. Zou, X. Gou, and Y. Lin, "Cemr: An effective subgraph matching algorithm with redundant extension elimination," *Proc. VLDB Endow.*, vol. 19, no. 7, pp. 1572–1585, 2026, ISSN: 2150-8097. 🔗 DOI: 10.14778/3801059.3801070.

2. **L. Yang**, L. Zou, and C. Zhao, "Neuso: Neural optimizer for subgraph queries," *Proc. ACM Manag. Data*, vol. 3, no. 6, Dec. 2025. 🔗 DOI: 10.1145/3769810.

3. Y. Pang, L. Zou, J. X. Yu, and **L. Yang**, "Materialized view selection & view-based query planning for regular path queries," *Proc. ACM Manag. Data*, vol. 2, no. 3, May 2024. 🔗 DOI: 10.1145/3654955.

Conference Proceedings

1. Z. Yuan, Y. Li, L. Zou, and **L. Yang**, "Sharedp: Finding k disjoint paths for multiple vertex pairs," in *Database Systems for Advanced Applications*, F. Zhu, P. S. Yu, A. Nadamoto, *et al.*, Eds., Singapore: Springer Nature Singapore, 2026, pp. 297–306, ISBN: 978-981-95-3906-2.

2. **L. Yang**, Y. Zhou, Y. Pang, and L. Zou, "Efficient pruned top-k subgraph matching with topology-aware bounds," in *Proceedings of the 33st ACM International Conference on Information and Knowledge Management*, ser. CIKM '24, Boise, ID, USA: Association for Computing Machinery, 2024, ISBN: 9798400743692410. 🔗 DOI: 10.1145/3627673.3679790.

3. Y. Pang, **L. Yang**, L. Zou, and M. T. Özsu, "Gfov: A full-stack sparql query optimizer & plan visualizer," in *Proceedings of the 32nd ACM International Conference on Information and Knowledge Management*, ser. CIKM '23, Birmingham, United Kingdom: Association for Computing Machinery, 2023, pp. 5081–5085, ISBN: 9798400701245. 🔗 DOI: 10.1145/3583780.3614741.

4. **L. Yang**, L. Yang, Y. Pang, and L. Zou, "Gcbo: A cost-based optimizer for graph databases," in *Proceedings of the 31st ACM International Conference on Information & Knowledge Management*, ser. CIKM '22, Atlanta, GA, USA: Association for Computing Machinery, 2022, pp. 5054–5058, ISBN: 9781450392365. 🔗 DOI: 10.1145/3511808.3557197.

Service

2025	🔖	Reviewer for ACM Transactions on Database Systems (TODS).
2023-2025	🔖	Conference Program Committee Member: CIKM.
2024-2026	🔖	Conference Reviewer: DASFAA.

Awards

2018	◼ Ke Shao Si Hua Scholarship, USTC.
	◼ Excellent Member of the Student Union, USTC.
2019	◼ Outstanding Student Scholarship, USTC.
2020	◼ National Scholarship.
2021	◼ Outstanding Graduate of University of Science and Technology of China.
2024	◼ The Second Prize of Peking University Scholarship.
2024, 2025	◼ Merit Student, PKU.
2025	◼ CIB Scholarship, PKU.
	◼ Outstanding Student of Wangxuan Institute of Computer Technology, PKU.

Skills

Languages	◼ Mandarin Chinese, English.
Coding	◼ C++, C, Python, Rust, Java, R, LaTeX.
Interests	◼ Badminton, running, reading.