

JIANGNENG LI

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Nanyang Technological University, Singapore
[Google Scholar](#), [DBLP](#)

EDUCATION

PhD, co-supervised by Prof. Gao Cong and Prof. Kiah Han Mao *Aug. 2021 – Now*
Nanyang Technological University, Singapore

Bachelor in Computer Science and Technology (Grad with Honor) *Sept. 2016 – June 2020*
Beihang University, China

RESEARCH INTERESTS

My current research interests include ML4DB, DB4ML, and Spatial Data Management.

PUBLICATIONS

Jiangneng Li, Zheng Wang, Gao Cong, Cheng Long, Han Mao Kiah, Bin Cui (2023). "Towards Designing and Learning Piecewise Space-Filling Curves." *PVLDB 2023*.

Zheng Wang, Mingrui Liu, Cheng Long, Qianru Zhang, **Jiangneng Li**, Chunyan Miao (2022). "On Inferring User Socioeconomic Status with Mobility Records." *IEEE Big Data 2022*.

Yuxing Han, Ziniu Wu, Peizhi Wu, Rong Zhu, Jingyi Yang, Liang Wei Tan, Kai Zeng, Gao Cong, Yanzhao Qin, Andreas Pfadler, Zhengping Qian, Jingren Zhou, **Jiangneng Li**, Bin Cui (2022). "Cardinality Estimation in DBMS: A Comprehensive Benchmark Evaluation." *PVLDB 2022*.

Tianshu Song, Ke Xu, **Jiangneng Li**, Yiming Li, Yongxin Tong (2019). "Multi-skill aware task assignment in real-timespatial crowdsourcing." *GeoInformatica*.

Preprint Papers:

Jiaxing Xu, Jianbin Cui, **Jiangneng Li**, Wenge Rong, and Noboru Matsuda. (2022). "Entity Aware Syntax Tree Based Data Augmentation for Natural Language Understanding." *arXiv preprint arXiv:2209.02267*.

Ziniu Wu, Rong Zhu, Andreas Pfadler, Yuxing Han, **Jiangneng Li**, Zhengping Qian, Kai Zeng, and Jingren Zhou. (2020). "FSPN: A New Class of Probabilistic Graphical Model." *arXiv preprint arXiv:2011.09020*.

INDUSTRIAL EXPERIENCE

Intern Researcher, Alibaba DAMO academy, China *July 2020 – Jun. 2021*

Research Intern, Sensetime, China *Jan. 2020 – Jun. 2020*

AWARDS

National Scholarship of China, 2017

Outstanding Graduate Award, Beihang University, 2020

Nanyang Research Scholarship grant, Singapore, 2021 – 2025

PROFESSIONAL MEMBERSHIP

Member, IEEE

Member, ACM

PROFESSIONAL SERVICE

Journal Papers

IEEE Transactions on Knowledge and Data Engineering (TKDE), Reviewer

IEEE Transactions on Spatial Algorithms and Systems (TSAS), Reviewer

Conference Papers

Neurips 2024, Reviewer

ACM SIGMOD & PVLDB & ICDE, External Reviewer, 2022 – 2023

ACM SIGKDD External Reviewer, 2022

Organizer

ACM MM 2023 LGM3A workshop, PC committee member

TEACHING

[MH1301] Discrete Mathematics, Teaching Assistant, 2022 Spring, 2022 Fall, 2023 Spring

[MH1300] Introduction to Probability and Statistical Methods, Teaching Assistant, 2022 Spring