

# JIANGNENG LI

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

## EDUCATION

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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

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My current research interests include ML4DB, DB4ML, and Multi-Dimensional Data Analytics & Management.

## PUBLICATIONS

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**Jiangneng Li**, Zheng Wang, Gao Cong, Cheng Long, Han Mao Kiah, Bin Cui (2023). “Towards Designing and Learning Piecewise Space-Filling Curves.” *VLDB 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.” *VLDB 2022*.

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

### *Preprint Papers:*

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

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*.

## INDUSTRIAL EXPERIENCE

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

Intern Researcher, SenseTime, China *Jan. 2020 – Jun. 2020*

## AWARDS

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Nanyang Research Scholarship grant, Singapore, 2021

Outstanding Graduate Award, Beihang University, 2020

National Scholarship of China, 2017

## PROFESSIONAL MEMBERSHIP

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Member, IEEE

Member, ACM

## PROFESSIONAL SERVICE

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### Program Committee:

2025 ICLR, AISTATS

2024 Neurips

ICDM 2024 BigIS Workshop

ACM MM 2023–2024 LGM3A Workshop

### Journal Paper reviewer:

IEEE Transactions on Knowledge and Data Engineering (TKDE)

IEEE Transactions on Spatial Algorithms and Systems (TSAS)

**TEACHING**

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[MH1301] ([MH1812]) Discrete Method, Tutorials, 2022 Spring, 2022 Fall, 2023 Spring, 2024 Fall

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