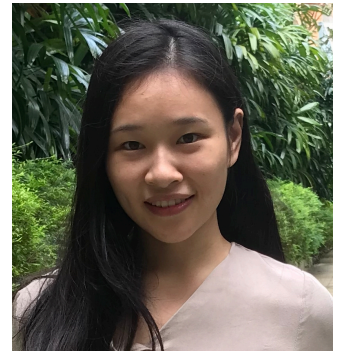# XU Yixin

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Education

PhD, University of Melbourne, Australia, 2021

Bachelor of Engineering, Central South University, China, 2015

Academic Appointments

Lecturer of Computer Science, School of Computing and Information Systems, SMU, Jul 2023 - Present

RESEARCH

Publications

Conference Proceedings

Highly efficient and scalable multi-hop ride-sharing, by XU, Yixin; KULIK, Lars; BOROVICA-GAJIC, Renata; ALDWYISH, Abdullah; QI, Jianzhong. (2020.0). *SIGSPATIAL '20: Proceedings of the 28th International Conference on Advances in Geographic Information Systems, Virtual, November 3-6*, (pp. 215-226) New York: ACM. https://doi.org/10.1145/3397536.3422235 (Published)

Geoprune: Efficiently matching trips in ride-sharing through geometric properties, by XU, Yixin; QI, Jianzhong; BOROVICA-GAJIC, Renata, KULIK, Lars. (2020.0). *Proceedings of the 32nd International Conference on Scientific and Statistical Database Management, Virtual, Online, 2020 July 7-9,* New York: ACM. https://doi.org/10.1145/3400903.3400912 (Published)

Finding all nearest neighbors with a single graph traversal, by XU Yixin; QI Jianzhong; BOROVICA-GAJIC Renata; KULIK Lars. (2018.0). *Proceedings of the 23rd International Conference on Database Systems for Advanced Applications, Gold Coast, Australia, May 21-24,* (pp. 221-238) Netherlands: Springer Nature. https://doi.org/10.1007/978-3-319-91452-7_15 (Published)

TEACHING

Courses Taught

<u>Singapore Management University</u>

Undergraduate Programmes :

    Computing Fundamentals

    Data Management

    Machine Learning & Applications

Postgraduate Research Programmes :

    Empirical Research Project 4