

Pak Lon Ip 葉柏麟

PhD Student

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Education

- PhD of Computer Science and Technology
Macau University, Macau 2023.08 – present

Publications

- **Pak Lon Ip**, Shenghui Zhang, Xuekai Wei, **Tsz Nam Chan**, Leong Hou U.
[HFGNN: Efficient Graph Neural Networks using Hub-Fringe Structures](#)
IEEE International Conference on Data Mining (ICDM), 2024.
- Tsz Nam Chan, **Pak Lon Ip**, Leong Hou U, Byron Choi, Jianliang Xu.
[SWS: A Complexity-Optimized Solution for Spatial-Temporal Kernel Density Visualization](#)
- Tsz Nam Chan, Rui Zang, **Pak Lon Ip**, Leong Hou U, Jianliang Xu.
[PyNKDV: An Efficient Network Kernel Density Visualization Library for Geospatial Analytic Systems](#)
Proceedings of ACM Conference on Management of Data (SIGMOD), 2023.
- Tsz Nam Chan, **Pak Lon Ip**, Kaiyan Zhao, Leong Hou U, Byron Choi, Jianliang Xu.
[LIBKDV: A Versatile Kernel Density Visualization Library for Geospatial Analytics](#)
Proceedings of the VLDB Endowment (PVLDB), 2022.
- Tsz Nam Chan, **Pak Lon Ip**, Leong Hou U, Weng Hou Tong, Shivansh Mittal, Ye Li, Reynold Cheng.
[KDV-Explorer: A Near Real-Time Kernel Density Visualization System for Spatial Analysis](#)
Proceedings of the VLDB Endowment (PVLDB), 2021.
- Tsz Nam Chan, **Pak Lon Ip**, Leong Hou U, Byron Choi, Jianliang Xu.
[SAFE: A Share-and-Aggregate Bandwidth Exploration Framework for Kernel Density Visualization](#)
Proceedings of the VLDB Endowment (PVLDB), 2022.

Research Interests

Spatiotemporal data Visualization

Graph Neural Network

Foundation models

Projects

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Selected Awards & Honors

Academic Services

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