

# Dong Qiao, PhD Candidate

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in Dong QIAO

🌐 <https://github.com/yuanxiqd>



## Education

- 2021 – Now     **The Chinese University of Hong Kong, Shenzhen**  
PhD candidate in Computer and Information Engineering  
Supervisor: *Prof. Jicong Fan and Prof. Chris H.Q. Ding*
- 2017 – 2020     **Central South University**  
Master of Management in Management Science and Engineering  
Supervisor: *Prof. Jian-qiang Wang*.
- 2013 – 2017     **Zhengzhou University**  
Bachelor majoring in Management, minoring in Laws  
Major GPA: 3.5/4.0 (rank: 5/85).

## Employment History

- Fall 2023     **DDA3020 Machine Learning** Leading Teaching Assistant.
- Spring 2023     **DDA4210 Advanced Machine Learning** Leading Teaching Assistant.
- Fall 2022     **STA4001 Stochastic Process** Teaching Assistant.
- Spring 2022     **DDA2001 Introduction to Data Science** Teaching Assistant.
- Fall 2021     **CSC3001 Discrete Mathematics** Teaching Assistant.

## Research Publications

### Conference Proceedings

- 1 D. Qiao, X. Ma, and J. Fan, “Federated t-sne and umap for distributed data visualization,” in *Proceedings of the AAAI Conference on Artificial Intelligence*, vol. 39, 2025, pp. 20 014–20 023.
- 2 D. Qiao, C. Ding, and J. Fan, “Federated spectral clustering via secure similarity reconstruction,” in *Advances in Neural Information Processing Systems*, vol. 36, 2023, pp. 58 520–58 555.

### Preprint

- 1 D. Qiao and J. Fan, “Mutual regression distance,” *arXiv preprint arXiv:2501.10617*, 2025.
- 2 Z. Wang, D. Qiao, and J. Fan, “Spectral clustering for discrete distributions,” *arXiv preprint arXiv:2401.13913*, 2024.

### Journal Articles

- 1 D. Qiao, X.-k. Wang, J.-q. Wang, and L. Li, “Maximum entropy-based method for extracting the underlying probability distributions of z-number,” *Applied and Computational Mathematics: An International Journal*, vol. 23, no. 2, pp. 201–218, 2024.
- 2 D. Qiao, K.-w. Shen, J.-q. Wang, and T.-l. Wang, “Multi-criteria promethee method based on possibility degree with z-numbers under uncertain linguistic environment,” *Journal of Ambient Intelligence and humanized computing*, vol. 11, no. 5, pp. 2187–2201, 2020.

- 3 D. Qiao, Y.-t. Wang, J.-q. Wang, H. Luo, and L. Li, "Likelihood-based qualitative flexible approach to ranking of z-numbers in decision problems," *Computational and Applied Mathematics*, vol. 39, no. 2, p. 134, 2020.
- 4 D. Qiao, X.-k. Wang, J.-q. Wang, and K. Chen, "Cross entropy for discrete z-numbers and its application in multi-criteria decision-making," *International Journal of Fuzzy Systems*, vol. 21, no. 6, pp. 1786–1800, 2019.
- 5 K.-w. Shen, X.-k. Wang, D. Qiao, and J.-q. Wang, "Extended z-mabac method based on regret theory and directed distance for regional circular economy development program selection with z-information," *IEEE Transactions on Fuzzy Systems*, vol. 28, no. 8, pp. 1851–1863, 2019.

## Services

Conference Reviewer	NeurIPS, ICLR
Journal Referee	Computers & Industrial Engineering (CAIE), IEEE Transactions on Knowledge and Data Engineering (TKDE), IEEE Transactions on Knowledge Discovery from Data (TKDD)

## Skills

Languages	Strong reading, writing and speaking competencies for English, Mandarin Chinese.
Coding	Python, $\LaTeX$ , MATLAB
Web Dev	HTML, CSS

## Miscellaneous Experience

### Awards and Achievements

2023	<b>SDS TA/USTF Award</b> , Awarded for best performance as a teaching assistant School of Data Science at CUHK-Shenzhen
2020	<b>Excellent Graduates</b> Hunan Province Education Department
	<b>Excellent Graduates</b> Central South University
2019	<b>National Scholarship for Postgraduates</b> , Awarded for excellent academic performance Ministry of Education of China

### Certification

2024	<b>Reviewer Certificate</b> Awarded by IEEE Transactions on Knowledge and Data Engineering
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## References

Available on Request