

## Peizhen Li

### Contact

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### Education

- **PhD Candidate in School of Computing**  
Macquarie University  
Principal Supervisor: Professor [Longbing Cao](#)  
Associate Supervisor: Professor [Mark Dras](#)
- **M.Sc in School of Computer Science and Engineering**  
Sun Yat-sen University  
Supervisor: Associate professor [Changdong Wang](#)  
GPA: 4.0/5.0
- **B.Sc in School of Computer Science and Engineering**  
Sun Yat-sen University  
Supervisor: Associate professor [Changdong Wang](#)  
GPA: 4.0/5.0

### Research Interests

- Robotics, Machine Learning, Community Detection

### Awards

- 2023-2026, International Macquarie Research Excellence Scholarship, Macquarie University.
- 2020, Outstanding Master Graduate, Sun Yat-sen University.
- 2018, 2019, National Scholarship for Postgraduates, Sun Yat-sen University.
- 2018, 2019, First Prize of Postgraduate Grant, Sun Yat-sen University.
- 2015, 2016, National Encouragement Scholarship, Sun Yat-sen University.
- 2014, Sun Hung Kai Properties Kwok Foundation Sun Yat-sen University Encouragement Scholarship
- 2014, 2015, 2016, First Prize of Excellent Student Scholarship, Sun Yat-sen University

### Experiences

- 2024, Guest Lecture on DeepDream and Neural Style Transfer ([slides](#)), School of Computing, Macquarie University.
- 2020-2023, Game Development Engineer ([Diablo Immortal](#), [ZOZ](#)), Netease Interactive Entertainment Company Ltd.
- 2019, Algorithm Engineer intern, WeBank.
- 2019, Machine Learning Project intern, Netease Interactive Entertainment Company Ltd.
- 2019, Teaching Assistant for Advanced Mathematics, School of Computer Science and Engineering, Sun Yat-sen University.
- 2018, Teaching Assistant for Data Mining, School of Computer Science and Engineering, Sun Yat-sen University

## Main Skills

- Python, C/C++, MATLAB, L<sup>A</sup>T<sub>E</sub>X

## publications

### Conference Paper

- [1] Li, P. Z., Huang, L., Wang, C. D., & Lai, J. H. (2019). [EdMot: An Edge Enhancement Approach for Motif-aware Community Detection](#). In: Proceedings of the 25th ACM SIGKDD International Conference on Knowledge Discovery & Data Mining, KDD 2019, Anchorage, AK, USA, August 4-8, 2019: 479-487.
- [2] He, H. P., Li, P. Z., Huang, L., Ji, Y. X., & Wang, C. D. (2020). [Latent Space Clustering via Dual Discriminator GAN](#). In Database Systems for Advanced Applications: 25th International Conference, DASFAA 2020, Jeju, South Korea, September 24–27, 2020, Proceedings, Part I 25 (pp. 671-679).

### Journal Article

- [1] Li, P. Z., Huang, L., Wang, C. D., Lai, J. H., & Huang, D. (2019) [Community Detection by Motif-aware Label Propagation](#). ACM Transactions on Knowledge Discovery from Data (TKDD), Vol.14, No.2, Article 22.
- [2] Li, P. Z., Huang, L., Wang, C. D., Li, C., & Lai, J. H. (2019). [Brain Network Analysis for Auditory Disease: A Twofold Study](#). Neurocomputing, 347, 230-239
- [3] Li, P. Z., Huang, L., Wang, C. D., Huang, D., & Lai, J. H. (2018). [Community Detection Using Attribute Homogenous Motif](#). IEEE Access, 6, 47707-47716.
- [4] Li, P. Z., Cai, Y. X., Wang, C. D., Liang, M. J., & Zheng, Y. Q. (2018). [Higher-order brain network analysis for auditory disease](#). Neural Processing Letters, 1-19.
- [5] Li, J. H., Wang, C. D., Li, P. Z., & Lai, J. H. (2018). [Discriminative metric learning for multi-view graph partitioning](#). Pattern Recognition, 75, 199-213.

### Undergraduate Publication

- [1] Li, P. Z., Li, J. H., & Wang, C. D. (2016). [A SVM-based EEG signal analysis: An auxiliary therapy for tinnitus](#). In Advances in Brain Inspired Cognitive Systems: 8th International Conference, BICS 2016, Beijing, China, November 28-30, 2016, Proceedings 8 (pp. 207-219).
- [2] Li, J. H., Li, P. Z., Wang, C. D., & Lai, J. H. (2016, August). [Community detection in complicated network based on the multi-view weighted signed permanence](#). In 2016 IEEE Trustcom/BigDataSE/ISPA (pp. 1589-1596).