

YIWEI WANG

National University of Singapore, Singapore

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EDUCATION

Doctor of Philosophy in Computer Science National University of Singapore	Jul. 2019 - Now
Master of Philosophy in Electronic and Computer Engineering Hong Kong University of Science and Technology	Aug. 2017 - Jun. 2019
Bachelor of Science in Information Engineering Southeast University, GPA: 3.92/4.0, Rank: 5/218 (Top 3%) .	Aug. 2013 - Jun. 2017

HONORS AND AWARDS

SDSC Dissertation Research Fellowship (10 annual quotas for Singapore-based Ph.D. Students)	Mar. 2021
Research Achievement Award from School of Computing of National University of Singapore	Sep. 2020
Meritorious Winner of the Interdisciplinary Contest in Modeling (ICM) held by COMAP (7%)	Apr. 2016
National Scholarship from Southeast University of China (3%)	Oct. 2015

RESEARCH PUBLICATION

- [1] **Yiwei Wang**, Wei Wang, Yuxuan Liang, Yujun Cai, and Bryan Hooi. Mixup for Node and Graph Classification, *The Web Conference (WWW) 2021*. (Acceptance Rate: 20.6%)
- [2] **Yiwei Wang**, Wei Wang, Yuxuan Liang, Yujun Cai, and Bryan Hooi. CurGraph: Curriculum Learning for Graph Classification, *The Web Conference (WWW) 2021*. (Acceptance Rate: 20.6%)
- [3] **Yiwei Wang**, Shenghua Liu, Minji Yoon, Hemank Lamba, Wei Wang, Christos Faloutsos, and Bryan Hooi. Provably Robust Node Classification via Low-Pass Message Passing, *IEEE International Conference on Data Mining (ICDM) 2020*. (Acceptance Rate: 9.8%)
- [4] **Yiwei Wang**, Wei Wang, Yujun Cai, Bryan Hooi and Beng Chin Ooi. Detecting Implementation Bugs in Graph Convolutional Network based Node Classifiers, *International Symposium on Software Reliability Engineering (ISSRE) 2020*. (Acceptance Rate: 25.7%)
- [5] **Yiwei Wang**, Wei Wang, Yuxuan Liang, Yujun Cai and Bryan Hooi. Progressive Supervision for Node Classification, *European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD) 2020*. (Acceptance Rate: 19.1%)
- [6] **Yiwei Wang**, Wei Wang, Yuxuan Liang, Yujun Cai, Juncheng Liu and Bryan Hooi. NodeAug: Semi-Supervised Node Classification with Data Augmentation, *ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD) 2020*. (Acceptance Rate: 16.9%)
- [7] **Yiwei Wang**, Mark James Carman, and Yuan-Fang Li. Using Knowledge Graphs to Explain Entity Co-occurrence in Twitter. *Proceedings of the 2017 ACM on Conference on Information and Knowledge Management (CIKM) 2017*.
- [8] Yuxuan Liang, Kun Ouyang, Junkai Sun, **Yiwei Wang**, Junbo Zhang, Yu Zheng, David Rosenblum, and Roger Zimmermann. Fine-Grained Urban Flow Prediction. *The Web Conference (WWW) 2021*. (Acceptance Rate: 20.6%)
- [9] Yujun Cai, Lin Huang, **Yiwei Wang**, et al. Learning Progressive Joint Propagation for Human Motion Prediction, *European Conference on Computer Vision (ECCV) 2020*.

[10] Yuxuan Liang, Kun Ouyang, **Yiwei Wang**, Ye Liu, Junbo Zhang, Yu Zheng, David S. Rosenblum. Revisiting Convolutional Neural Networks for Citywide Crowd Flow Analytics. *European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD) 2020*. (Acceptance Rate: 19.1%)

[11] Licheng Zhao, **Yiwei Wang**, Sandeep Kumar, and Daniel P. Palomar, Optimization Algorithms for Graph Laplacian Estimation via ADMM and MM. *IEEE Transactions on Signal Processing*, 2019.

SERVICE

Program Committee Member

- European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD) 2020

Reviewer

- The Thirty-Fifth AAAI Conference on Artificial Intelligence (AAAI) 2021
- IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2021
- International Conference on Computer Vision (ICCV) 2021
- IEEE Transactions on Knowledge and Data Engineering (TKDE)

EXCHANGES AND INTERNSHIPS

Internship at Tencent Co. Ltd., Shenzhen

Dec, 2018 - Jul, 2019

- Work as a **deep learning algorithm engineer intern** to develop methods for Object Detection, Image Retrieval and the corresponding business applications.

Exchange Program at Monash University, Melbourne

Jan. 2017 - May. 2017

- Studied in the School of Information Technology, and completed the graduation projection.

ABILITIES AND SKILLS

Languages: Native Chinese, English (IELTS: **8.0**, GRE: **320+3.5**).

Programming: Advanced with MATLAB, Python. Familiar with C/C++, JAVA.