

Jingwei Guo

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🌐 <https://github.com/jingweio>

EDUCATION	University of Liverpool Ph.D. in Electrical Engineering and Electronics	Sep. 2019 - Mar. 2024 Advisor: Kaizhu Huang
	Xi'an Jiaotong-Liverpool University B.S. in Applied Mathematics	Aug. 2014 - Jun. 2018 GPA (WES): 3.86/4.00
RESEARCH INTERESTS	Graph Neural Networks , currently on their limitations within complex settings where nodes sharing distinct labels and features are tightly interconnected.	
PUBLICATIONS	<i>Graph Neural Networks with Diverse Spectral Filtering</i> – Jingwei Guo , Kaizhu Huang, Xinping Yi, Rui Zhang. – Proceedings of the ACM Web Conference (WWW), 2023: 306-316.	
	<i>Learning Disentangled Graph Convolutional Networks Locally and Globally</i> – Jingwei Guo , Kaizhu Huang, Xinping Yi, Rui Zhang. – IEEE Transactions on Neural Networks and Learning Systems (TNNLS), 2022.	
	<i>Adaptive Active Contour Model based Automatic Tongue Image Segmentation</i> – Jingwei Guo , Yikang Yang, Qingwei Wu, Jionglong Su, Fei Ma. – The 9th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics (CISP-BMEI), 2016.	
MANUSCRIPTS	<i>Rethinking Spectral Graph Neural Networks with Spatially Adaptive Filtering</i> – Jingwei Guo , Kaizhu Huang, Xinping Yi, Zixian Su, Rui Zhang. – Under review.	
	<i>ES-GNN: Generalizing Graph Neural Networks Beyond Homophily with Edge Splitting</i> – Jingwei Guo , Kaizhu Huang, Rui Zhang, Xinping Yi. – Under review.	
	<i>Unraveling Batch Normalization for Realistic Test-Time Adaptation</i> – Zixian Su, Jingwei Guo , Kai Yao, Xi Yang, Qiufeng Wang, Kaizhu Huang. – Under review.	
EXPERIENCE	Teaching Assistant • CPT206: Computer Programming for Financial Mathematics Spring 2023 • CPT403: Object Oriented Programming Autumn 2022 • INT104: Artificial Intelligence Spring 2021 • INT202: Complexity of Algorithms Introduction Spring 2021 • CPT105: Introduction to Programming in Java Autumn 2020	
	Research Assistant • Sano Medical Laboratories, Inc. - XJTLU Sep. 2018 - Feb. 2019 • Summer Undergraduate Research Fellowship - XJTLU Jun. 2017 - Aug. 2017 • Summer Undergraduate Research Fellowship - XJTLU June. 2016 - Aug. 2016	
ACADEMIA SERVICES	Reviewer for Journals • TNNLS, Neural Networks, Neurocomputing, Cognitive Computation	
TECHNICAL SKILLS	Programming Languages: Python, Java, Matlab Deep Learning Libraries: PyTorch, TensorFlow, DGL, PyG	