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Zhiqian Chen

Employment History

2020-present Assistnat Professor, Mississippi State University.

2014–2020 Research Assistant, Virginia Tech.

Education

2014–2020 PhD, Computer Science, Virginia Tech, Falls Church, Virginia.

2010–2013 MS, Software Engineering, Peking University, China.

2005–2009 BE, Software Engineering, Huazhong Univ. of Sci. & Tech., China.

2007–2009 BA, Japanese Language, Huazhong Univ. of Sci. & Tech., China.

Awards & Patent

Award Best Paper Award at ACM SIGSPATIAL 2020

Award Best Paper Award at GISTAM 2015

U.S. Patent High-throughput method to predict bulk properties of inorganic materials

Award Outstanding Contribution Award, 2016, Toyota Research Institute, North America (TRI-NA)

Review Service

ICML International Conference on Machine Learning, 2021

ICLR International Conference on Learning Representations, 2022

NeurlPS Neural Information Processing System, 2019, 2020, 2021

AAAI AAAI conference on Artificial Intelligence, 2020, 2021, 2022

KDD ACM SIG on Knowledge Discovery and Data Mining, 2020

TKDE IEEE Transactions on Knowledge and Data Engineering, 2019, 2020

TKDD ACM Transactions on Knowledge Discovery from Data, 2021

Neurocomputing Neurocomputing, , 2019, 2020, 2021

Scientific Reports Scientific Reports, 2021

NSF Panel Review

Publications

- [1] Zhiqian Chen, Fanglan Chen, Lei Zhang, Taoran Ji, Kaiqun Fu, Liang Zhao, Feng Chen, Lingfei Wu, Charu Aggarwal, and Chang-Tien Lu. Bridging the gap between spatial and spectral domains: A united framework for graph neural networks. arXiv preprint arXiv:2107.10234, 2021.
- [2] Zhiqian Chen, Lei Zhang, Gaurav Kolhe, Hadi Mardani Kamali, Setareh Rafatirad, Sai Manoj Pudukotai Dinakarrao, Houman Homayoun, Chang-Tien Lu, and Liang Zhao. Deep graph learning for circuit deobfuscation. *Frontiers in big Data*, 4, 2021.
- [3] Taoran Ji, Nathan Self, Kaiqun Fu, Zhiqian Chen, Naren Ramakrishnan, and Chang-Tien Lu. Dynamic multi-context attention networks for citation forecasting of scientific publications. In *Proceedings of the AAAI Conference on Artificial Intelligence*, volume 35, pages 7953–7960, 2021.
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- Linhoss, and Yang Zhao. Practices and applications of convolutional neural network-based computer vision systems in animal farming: A review. *Sensors*, 21(4):1492, 2021.
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- [10] Zhiqian Chen, Fanglan Chen, Lei Zhang, Taoran Ji, Kaiqun Fu, Liang Zhao, Feng Chen, Lingfei Wu, Charu Aggarwal, and Chang-Tien Lu. Bridging the gap between spatial and spectral domains: A survey on graph neural networks. 2020.
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