

Chunhui Zhang

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Personal Page

EDUCATION & EXPERIENCE	Ph.D. student, Computer Science Brandeis University, Waltham, Massachusetts, US the Michtom School of Computer Science Advisors: Prof. Chuxu Zhang	Sep. 2021 - Present
	B.S., Computer Science Northeastern University at Qinhuangdao, China School of Computer and Communication Engineering GPA: 89.02/100.00	Sep. 2017 - Jun. 2021
	Research Assistant the Chinese University of Hong Kong, China Shenzhen Research Institute of Big Data (SRIBD) Advisors: Prof. Lei Cheng, Prof. Zhen Li Work on neural architecture search and medical image segmentation	Nov. 2018-Aug. 2021

RESEARCH INTEREST

- Efficient Machine Learning
- Graph Neural Network
- Representation Learning

PAPER

- Han Yue, **Chunhui Zhang**, Chuxu Zhang, and Hongfu Liu. Label-invariant Augmentation for Semi-Supervised Graph Classification, *Thirty-sixth Conference on Neural Information Processing Systems (NeurIPS)*, 2022.
- Yiyue Qian, **Chunhui Zhang**, Yiming Zhang, Qianlong Wen, Yanfang Ye, and Chuxu Zhang. Co-Modality Imbalanced Graph Contrastive Learning, *Thirty-sixth Conference on Neural Information Processing Systems (NeurIPS)*, 2022.
- Jiele Wu, **Chunhui Zhang**, Zheyuan Liu, Erchi Zhang, Steven Wilson, and Chuxu Zhang. GraphBERT: Bridging Graph and Text for Malicious Behavior Detection on Social Media, *IEEE International Conference on Data Mining (ICDM)*, 2022.
- **Chunhui Zhang**, Chao Huang, Youhuan Li, Xiangliang Zhang, Yanfang Ye, and Chuxu Zhang. Look Twice as Much as You Say: Scene Graph Contrastive Learning for Self-Supervised Image Caption Generation, *ACM International Conference on Information and Knowledge Management (CIKM)*, 2022.
- **Chunhui Zhang**^{*}, Yongyuan Liang^{*}, Yifan Jiang^{*}. AdaSearch: Many-to-One Unified Neural Architecture Search via A Smooth Curriculum, *AAAI-22 Workshop: Learning Network Architecture During Training*.
- **Chunhui Zhang**, Xiaoming Yuan, Qianyun Zhang, Guangxu Zhu, Lei Cheng, and Ning Zhang. Towards Tailored Models on Private AIoT Devices: Federated Direct Neural Architecture Search, *IEEE Internet of Things Journal (IoTJ)*, Feb. 2022.
- Qin Wang, Weibing Zhao, **Chunhui Zhang**, Liye Zhang, Changmiao Wang, Zhen Li, Shuguang Cui, Guanbin Li. 3d Enhanced Multi-scale Network For Thoracic Organs Segmentation, *IEEE International Symposium on Biomedical Imaging Challenge*, 2019

SKILLS

Programming Skills: C++, Python, PyTorch, MATLAB, Java
Operating System: Linux

ACTIVITIES

- Conference reviewer for NeurIPS2022, CIKM2022, ICDM2022, IEEE HPCC2020
- Journal reviewer for IEEE Transactions on Network Science and Engineering, Neurocomputing

AWARDS

- CIKM Travel Grant Award 2022

Latest Update: Sep. 2022