

# Chunhui Zhang

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Personal Page

EDUCATION & EXPERIENCE	<i>Ph.D. student, Computer Science</i> <b>Brandeis University, Waltham, Massachusetts, US</b> the Michtom School of Computer Science Advisors: <b>Prof. Chuxu Zhang</b>	Sep. 2021 - Present
	<i>B.S., Computer Science</i> <b>Northeastern University, Qinhuangdao, China</b> School of Computer and Communication Engineering GPA: 89.02/100.00	Sep. 2017 - Jun. 2021
	Research Assistant <b>the Chinese University of Hong Kong, China</b> Shenzhen Research Institute of Big Data (SRIBD) Advisors: <b>Prof. Lei Cheng, Prof. Zhen Li</b> Work on neural architecture search and medical image segmentation	Mar. 2019-Aug. 2021

## RESEARCH INTEREST

- Efficient Machine Learning
- Graph Neural Network
- Representation Learning

## PAPER

- 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**<sup>\*</sup>, Yongyuan Liang<sup>\*</sup>, Yifan Jiang<sup>\*</sup>. 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**, Liyue 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

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

## ACTIVITIES

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