



XINTING HU

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RESEARCH INTEREST

Image Recognition, Incremental Learning, Robust Learning

EDUCATION

Nanyang Technological University (NTU) 4th year Ph.D. Student in Computer Science	July 2018 – Present Singapore
University of Science and Technology of China (USTC) B.Eng. in Information Science and Technology	Sept. 2014 – June 2018 Anhui, China

PUBLICATIONS

On Non-Random Missing Labels in Semi-Supervised Learning. ICLR 2022
We propose a Class-Aware Doubly Robust estimator as an unbiased **Semi-Supervised Learning** model for a challenging label missing-not-at-random scenario in **Image Classification** task.
Xinting Hu, Yulei Niu, Chunyan Miao, Xian-Sheng Hua, Hanwang Zhang

Distilling Causal Effect of Data in Class-Incremental Learning. [\[arxiv\]](#) [\[code\]](#) CVPR 2021
We proposed a causal framework to explain the catastrophic forgetting in **Class-Incremental Image Classification** tasks and then derive a novel distillation method for anti-forgetting.
Xinting Hu, Kaihua Tang, Chunyan Miao, Xian-Sheng Hua, Hanwang Zhang

Learning to Segment the Tail. [\[arxiv\]](#) [\[code\]](#) CVPR 2020
We proposed a “divide&conquer” strategy for the challenging **Large-Scale Long-Tailed Image Segmentation** task: divide the whole data into balanced parts and incrementally conquer each one.
Xinting Hu, Yi Jiang, Kaihua Tang, Jingyuan Chen, Chunyan Miao, and Hanwang Zhang

HONORS AND AWARDS

Yang Ya Scholarship Merit based scholarship for woman students (top 1%)	Nov. 2016, USTC
Excellent Student Scholarship Gold Award (top 3%)	Oct. 2016, USTC

VOLUNTEER AND TEACHING EXPERIENCE

28th ACM-Multimedia Program Volunteer	Oct. 2020
Teaching Assistant/Lab Instructor 20S1-CZ2001-LAB-SS7, Algorithms	Fall 2020, NTU
Teaching Assistant 19S1-CE1012-CZ1012, Engineering Mathematics II	Fall 2019, NTU

SKILLS

Languages: Python, C, MATLAB, C#, SQL, \LaTeX
Deep Learning Frameworks: Pytorch, Tensorflow

SOFTWARE PROJECTS

Plenoptic Images Re-focusing System a real-time re-focusing system for plenoptic images to be re-focused on every point the user clicks on PC or looks at with the eye tracker	2016–2017
Library Management System a library system for both administrators to manage and users to search with	Fall 2017