XU LUO

University of Electronic Science and Technology of China

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EDUCATION

- **University of Electronic Science and Technology of China**   *Sept. 2019 - Present*
  Master Degree in Computer Science and Technology

- **Xiamen University**   *Sept. 2015 - June 2019*
  Bachelor Degree in Mathematics

RESEARCH EXPERIENCE

- **Statistical Machine Intelligence Learning Laboratory, UESTC**   *Sept. 2019 - Present*
  Adviser: Zenglin Xu
  Focus: Few-Shot Learning, Representation Learning
  Project: Responsible for understanding the key point of few-shot learning and exploring its relationship with image representation learning.

- **Huawei Cloud AI Lab, Beijing**   *Mar 2021 - Aug. 2021*
  Adviser: Longhui Wei
  Focus: Few-Shot Learning, Contrastive Learning
  Project: Responsible for Exploring the negative effect of image background on few-shot learning and designing a feasible solution.

RESEARCH ACTIVITIES

a) Publications

- **Xu Luo**, Jing Xu and Zenglin Xu. Channel importance matters in few-shot image classification. In *International Conference on Machine Learning* (ICML), 2022.

- **Xu Luo**, Longhui Wei, Liangjian Wen, Jinrong Yang, Lingxi Xie, Zenglin Xu, and Qi Tian. Rectifying the shortcut learning of background for few-shot learning. In *Annual Conference on Neural Information Processing Systems* (NeurIPS), 2021.

- **Xu Luo**, Yuxuan Chen, Liangjian Wen, Lili Pan and Zenglin Xu. Boosting few-shot classification with view-learnable contrastive learning. In *IEEE International Conference on Multimedia and Expo* (ICME), 2021.

- Maolin Wang, Zeyong Su, **Xu Luo**, Yu Pan, Shenggen Zheng and Zenglin Xu. Concatenated tensor networks for deep multi-task learning. In *International Conference on Neural Information Processing* (ICONIP), 2020.

b) In Submission

- Jing Xu, **Xu Luo**, Xinglin Pan, Yanan Li, Wenjie Pei and Zenglin Xu. Alleviating the Sampling Bias of Few Shot Data by Removing Projection to the Centroid. In submission to *Annual Conference on Neural Information Processing Systems* (NeurIPS), 2022.

- Jing Xu, Xinglin Pan, **Xu Luo**, Jingquan Wang, Wenjie Pei, Qing Liao and Zenglin Xu. Feature correcting in few-shot image classification by exploring the correlation to base classes. In submission to *European Conference on Computer Vision* (ECCV), 2022.

c) Referee Service

- PC member of ICML 2022 and the L3D-IVU workshop at CVPR 2022.

AWARDS & SCHOLARSHIPS

- **2022**, Outstanding Graduates of Sichuan Province.
- **2022**, Outstanding Graduates of UESTC.
- **2018**, First Prize in Contemporary Undergraduate Mathematical Contest in Modeling, China.