Rongyu Zhang

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EDUCATION BACKGROUND

08/2017-07/2021 **Beijing University of Posts and Telecommunications (BUPT)** **Bachelor of Eng./Man.**
International College: the Joint Program of BUPT and Queen Mary University of London(QMUL) GPA: 3.4

08/2021-03/2023 T**he Chinese University of Hong Kong, Shenzhen (CUHKSZ)** **Master of Phil.**
School of Science and Engineering, major in Computer and Information Engineering GPA: 3.5

09/2023-06/2027(expected) **Nanjing University (NJU)** **Dual Doctor of Phil.**
School of Electric Science and Engineering GPA：3.5

09/2023-06/2027(expected) **The Hong Kong Polytechnic University (PolyU)** **Dual Doctor of Phil.**
School of Computing GPA：3.5

RESEARCH INTERESTS

➢ Efficient and Generalization Learning towards Open-world Multimodal System

SELECTED PUBLICATIONS

➢ ***VeCAF: Vision-language Collaborative Active Finetuning with Training Objective Awareness***

Rongyu Zhang, Zefan Cai, Huanrui Yang, Zidong Liu, Denis Gudovskiy, Tomoyuki Okuno, Yohei Nakata, Kurt Keutzer, Baobao Chang, Yuan Du, Li Du, Shanghang Zhang ACM Multimedia 2024. (**CCF-A**)

➢ ***Multi-level Personalized Federated Learning on Heterogeneous and Long-Tailed Data***

Rongyu Zhang, Yun Chen, Chenrui Wu, Fangxin Wang, Bo Li Transaction on Mobile Computing. (TMC) (**CCF-A**)

➢ ***Efficient Deweather Mixture-of-Experts with Uncertainty-aware Feature-wise Linear Modulation***

Rongyu Zhang, Yulin Luo, Jiaming Liu, Huanrui Yang, Zhen Dong, Denis Gudovskiy, Tomoyuki Okuno, Yohei Nakata,

Kurt Keutzer, Yuan Du, Shanghang Zhang AAAI 2024. (**CCF-A**)

➢ ***Unimodal Training-Multimodal Prediction: Cross-modal Federated Learning with Hierarchical Aggregation***

Rongyu Zhang, Xiaowei Chi, Wenyi Zhang, Guiliang Liu, Dan Wang, Fangxin Wang TMC accept with revision. (**CCF-A**)

➢ ***RepCaM: Re-parameterization Content-aware Modulation for Neural Video Delivery***
Rongyu Zhang, Lixuan Du, Jiaming Liu, Congcong Song, Fangxin Wang, Ming Lu, Xiaoqi Li, Yandong Guo,
Shanghang Zhang ACM NOSSDAV 2023. (CCF-B)

➢ ***Cluster-driven GNN-based Federated Recommendation System with Biased Message Dropout***
Rongyu Zhang, Yun Chen, Chenrui Wu, Fangxin Wang IEEE ICME 2023. (CCF-B)

➢ ***Efficient Personalized Federated Learning for IoT: Challenges, Opportunities and Solution***
Rongyu Zhang, Yun Chen, Chenrui Wu, Fangxin Wang, Jiangchuan Liu IEEE Network. (JCR-Q1)

INTERN EXPERIENCE

11/2020-05/2021 **AI Lab, LENOVO Research Institute, supervised by Jiangtao Gong**
09/2022-02/2023 **OPPO Research Institute, supervised by Yandong (Eric) Guo**

HONORS & AWARDS

➢ Jiangsu Province Graduate Research and Practical Innovation Project
➢ 2nd place of the SHIFT Challenge 2023 - Continuous Test-time Adaptation for Semantic Segmentation in the challenges of VCL Workshop, ICCV2023.

LANGUAGE & COMPUTER SKILLS

➢ **English:** CET-6: 556 TOEFL:105(30/R+28/L+21/S+26/W) GRE:320(153/V+167/Q)+3.5/AW
➢ **Computer:** Skilled at C, C++, JAVA, python, Linux, etc.