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, et. al.   ACM MM 2024 (**CCF-A**)

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

  Rongyu Zhang, Yun Chen, Chenrui Wu, Fangxin Wang, Bo Li   IEEE 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, et. al.   AAAI 2024 (**CCF-A**)

➢   ***BEVUDA++: Geometric-aware Unsupervised Domain Adaptation for Multi-View* 3*D Object Detection***

  Rongyu Zhang, Jiaming Liu, Xiaoqi Li, Xiaowei Chi, Dan Wang, Li Du, et. al.   IEEE TCSVT (**CAS-Q1**)

➢   ***RepCaM++: Exploring Transparent Visual Prompt with Inference-time Re-parameterization for Neural Video Delivery***

  Rongyu Zhang, Xize Duan, Jiaming Liu, Li Du, Yuan Du, Dan Wang, et. al.   IEEE TMC (**CCF-A**)

➢   ***RepCaM: Re-parameterization Content-aware Modulation for Neural Video Delivery***

  Rongyu Zhang, Lixuan Du, Jiaming Liu, Congcong Song, et.al.   ACM Nossdav (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)

➢   ***Optimizing Efficient Personalized Federated Learning with Hypernetworks at Edge***

  Rongyu Zhang, Yun Chen, Chenrui Wu, Fangxin Wang, Jiangchuan Liu   IEEE Network (JCR-Q1)

INTERN EXPERIENCE

08/2024-now   **Beijing Academy of Artificial Intelligence, BAAI , supervised by Shanghang Zhang**

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

➢   The First "Young Elite Scientist Sponsorship Program (Ph.D.)" , China Association for Science and Technology (CAST)

➢   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

➢   **English:** CET-6: 556   TOEFL:105(30/R+28/L+21/S+26/W)   GRE:320(153/V+167/Q)+3.5/AW