

# 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	The 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

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

- 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