

# YANGFU ZHU

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## 🎓 EDUCATION

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| <b>Beijing University of Posts and Telecommunications</b><br><i>PhD candidate</i> , in Computer Science and Technology | Sep. 2020 – Present   |
| <b>Chongqing University of Posts and Telecommunications</b><br><i>MS</i> , in Computer Technology                      | Sep. 2017 – Jul. 2020 |
| <b>Xizang Minzu University</b><br><i>BS</i> , in Communication Engineering   | Sep. 2010 – Jul. 2014 |

## 🧑‍🔬 RESEARCH INTERESTS

My research interests lie in large-scale data mining and machine learning on various types of data (e.g., graph, text, and video), with a focus on developing AI/ML solutions for real-world problems. During my Ph.D., I extensively combined psychology, sociology, and computer science to conduct interdisciplinary research on online social networks:

- **Graph Mining and Learning:** (Graph neural network, Knowledge graph, Information dissemination)
- **Human-Centered NLP:** (User-generated document analysis, Social bias )
- **Multimodal Learning:** (Affective computing, Personality computing, User behavior modeling)

## 📖 SELECTED PUBLICATIONS

- **Yangfu Zhu**, Yuting Wei, Meiling Li, Tingting Zhang, Siqi Wei, Bin Wu. PCENet: Psychological Clues Exploration Network for Multimodal Personality Assessment. CIKM, 2023: 3667-3676. (Oral)
- **Yangfu Zhu**, Linmei Hu, Xinkai Ge, Wanrong Peng, Bin Wu. Contrastive Graph Transformer Network for Personality Detection. IJCAI, 2022: 4559-4565. (Oral)
- **Yangfu Zhu**, Linmei Hu, Nianwen Ning, Wei Zhang, Bin Wu. A lexical psycholinguistic knowledge-guided graph neural network for interpretable personality detection. Knowledge-Based Systems, 2022, 249: 108952.
- **Yangfu Zhu**, Zhanming Guan, Siqi Wei, and Bin Wu. PerKG: A Personality Knowledge Graph for Personality Analysis. IEEE SMC, 2022: 580-585. (Oral)
- **Yangfu Zhu**, et al. Data Augmented Graph Neural Networks for Personality Detection.. AAAI, 2024. (Under Review)
- Meiling Li, **Yangfu Zhu**, Shicheng Li, Bin Wu. HG-PerCon: Cross-view contrastive learning for personality prediction[J]. Neural Networks, 2023.
- Haorui Wang, Yibo Hu, **Yangfu Zhu**, Jinsheng Qi, Bin Wu. Shifted GCN-GAT and Cumulative-Transformer based Social Relation Recognition for Long Videos. ACM MM, 2023.
- Xuemei Mou, Wei Xu, **Yangfu Zhu**, Yunpeng Xiao. Social Topic Diffusion Model Based on Rumor and Anti-Rumor and Motivation-Rumor. IEEE Transactions on Computational Social Systems, 2022.
- Yunpeng Xiao, Jinghua Li, **Yangfu Zhu**, Qian Li. User behavior prediction of social hotspots based on multimessage interaction and neural network. IEEE Transactions on Computational Social Systems, 2020.
- Chengguang Song, Yiyang Teng, **Yangfu Zhu**, Siqi Wei, Bin Wu. Dynamic graph neural network for fake news detection. Neurocomputing, 2022.
- Jingyi Zhang, Yuting Wei, **Yangfu Zhu**, Bin Wu Self-adaptive Prompt-tuning for Event Extraction in Ancient Chinese Literature. IJCNN, 2023
- Siqi Wei, Bin Wu, Aoxue Xiang, **Yangfu Zhu**, Chenguang Song. DGTR: Dynamic graph transformer for rumor detection[J]. Frontiers in Research Metrics and Analytics, 2023, 7: 1055348.
- 魏钰婷, 胡琳梅, **朱洋甫**, 吴斌. 基于知识引导变换器的古诗主题与情感联合分析. 中文信息学报, 2023.

## ⚙️ RESEARCH EXPERIENCE

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- Funding: Excellent Ph.D. Students Foundation (CX2022219), BUPT. User Personality Detection Based on Multimodal Social Media.  
**Role: Principal Investigator (PI)** 2022 –Present
- Funding: National Key Research and Development Program of China (2018YFC0831500). Collaborative Support Technology for Cross-Regional Joint Law Enforcement of Judicial Administration.  
**Role: Project Management** 2018 –2021
- Funding: National Natural Science Foundation of China (U1936200). Psychological Characterization of Persons Based on Network Behaviors.  
**Role: Major Researcher** 2020 –Present

## ⚙️ ACADEMIC SERVICE

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- **Conference Reviewer / PC Member:** IJCAI (2023); MM (2023); WWW(2024); ICASSP (2023-2024)
- **Journal Reviewer:** TNNLS; TCSS; KBS; NCAA; ASOC

## 🏆 AWARDS & HONOR

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- National Scholarship Award of China. (Only 7 winners in School of Computing, BUPT) 2022 Fall
- Academic Scholarship for Graduate Students in BUPT. (Two times) 2021–2023
- First Prize Scholarship of CQUPT. (Two times) 2017-2020