

# YANGFU ZHU

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## 🎓 EDUCATION

<b>Beijing University of Posts and Telecommunications</b> <i>PhD candidate</i> , in Computer Science and Technology	Sep. 2020 – Present Advisor: <b>Bin Wu</b> ; <b>Linmei Hu</b>
<b>Chongqing University of Posts and Telecommunications</b> <i>MS</i> , in Computer Technology	Sep. 2017 – Jul. 2020 Advisors: <b>Yunpeng Xiao</b> ; <b>Zuocheng Wang</b>
<b>Xizang Minzu University</b> <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**, Yue Xia, Meiling Li, Tingting Zhang, and Bin Wu. Data Augmented Graph Neural Networks for Personality Detection. AAAI, 2024. (CCF-A)
- **Yangfu Zhu**, Linmei Hu, Xinkai Ge, Wanrong Peng, Bin Wu. Contrastive Graph Transformer Network for Personality Detection. IJCAI, 2022: 4559-4565. (Oral, CCF-A)
- **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, CCF-B)
- **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. (IF: 8.139, SCI Q1)
- **Yangfu Zhu**, Zhanming Guan, Siqi Wei, and Bin Wu. PerKG: A Personality Knowledge Graph for Personality Analysis. IEEE SMC, 2022: 580-585. (Oral, CCF-C)
- 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.(Oral, CCF-A)
- Meiling Li, **Yangfu Zhu**, Shicheng Li, Bin Wu. HG-PerCon: Cross-view contrastive learning for personality prediction[J]. Neural Networks, 2023. (IF: 7.8, SCI Q1, CCF-B )
- 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. (IF: 5.0, SCI Q2)
- Yunpeng Xiao, Jinghua Li, **Yangfu Zhu**, Qian Li. User behavior prediction of social hotspots based on multimesage interaction and neural network. IEEE Transactions on Computational Social Systems, 2020.(IF: 5.0, SCI Q2)
- Chengguang Song, Yiyang Teng, **Yangfu Zhu**, Siqi Wei, Bin Wu. Dynamic graph neural network for fake news detection. Neurocomputing, 2022. (IF: 6.0, SCI Q2)
- Jingyi Zhang, Yuting Wei, **Yangfu Zhu**, Bin Wu Self-adaptive Prompt-tuning for Event Extraction in Ancient Chinese Literature. IJCNN, 2023 (CCF-C)
- 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. (CCF-B)

## SUBMITTED PAPER

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1. **Yangfu Zhu**, et al. The Individuals Matter: Learning Causal Representations for Fair Personality Detection. ACL, 2024. (Under Review) (CCF-A)
2. 朱洋甫, 等. 多模态人格检测研究综述. 软件学报, 2024. (Under Review) (CCF-A)

## 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
- **Invited Talk:** 31st International Joint Conference on Artificial Intelligence (IJCAI), Vienna, Austria (2022.07, online).
- **Invited Talk:** 2023 IJCAI YES (Young AI Scientists) Conference, East China Normal University, Shanghai, China (2023.07.04-06).
- **Invited Talk:** 32nd ACM International Conference on Information and Knowledge Management (CIKM), University of Birmingham, UK (2023.10.21-25).
- **Teaching Assistant** for the graduate course "Complex Networks" at Beijing University of Posts and Telecommunications.
- **Worked** as a Hardware Engineer at BoHuiTe Technology Co., Ltd., Shenzhen, China (2014.07 – 2016.02).

## AWARDS & HONOR

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- National Scholarship Award of China. (Only 5 winners in School of Computing, BUPT) 2022 Fall
- First Prize Scholarship in CQUPT and BUPT. (Three Times) 2017–2023
- Received the third prize in the 8th China International "Internet+" College Students Innovation and Entrepreneurship Competition, Beijing 2022
- Received the Excellent Award in the 4th China International "Internet+" College Students Innovation and Entrepreneurship Competition, Chongqing. 2018