

Pengfei Zhou

Looking for PhD position

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EDUCATION

Expected July 2024
Beijing, China

**ME, in Key Laboratory of Intelligent Information Processing,
Institute of Computing Technology, Chinese Academy of Sciences**

Languages:

English: Fluently, Band 7 in IELTS

Computer Skills:

Skilled: C++, Python (Pytorch), MATLAB, Microsoft Office, Latex

WORK EXPERIENCE

Mar. 2019 – Jun. 2021
Hangzhou, China

Institute of Computer Vision, Zhejiang University of Technology
Research assistant in the National Natural Fund project (No. 61976192)

- Research on Computer Vision and Multimodal Retrieval
- 5 academic papers published, 3 patents authorized (One granted)
- Project Leader, Undergraduate Innovation Entrepreneurship Training Program
- Winner, National Scholarship, ICT Enterprise Scholarship, Zhejiang Provincial Outstanding Graduate, ZJUT Science and Technology Achievement Award
- Winner, Second Place in LMRT of ImageCLEFlog2019 Competition (Team Leader)

Jan. 2020 – Sep. 2021
Hangzhou, China

Hangzhou Xiao Bin Technology Co. LTD
Co-funder, CTO

- Leader of intelligent home system research and development team
- Successfully developed the visual recognition system of intelligent sorting waste bin
- Owner of 3 software copyrights
- Winner, Second prize of National Service Outsourcing Competition, Silver Award of International "Internet Plus" College Student Innovation and Entrepreneurship Competition in Zhejiang, and prizes of other 8 Competitions

Jan. 2020 – Present
SuZhou, China

Institute of Intelligent Computing Technology, Suzhou, CAS
Technical director of visual food detection algorithm development team

- The accuracy rate of developed algorithm is higher than 98% in the real-world scene
- Related papers have been submitted to ICCV2023, ACM MM2023 and IEEE TPAMI

PUBLICATIONS : 8 papers published

- Pengfei Zhou, Weiqing Min, Jiajun Song, Yang Zhang and Shuqiang Jiang. "Synthesizing Knowledge-enhanced Features for Zero-shot Food Detection", ICCV 2023, Submitted, 2023
- Pengfei Zhou, Kaining Ying, Zhenhua Wang, Dongyan Guo and Cong Bai. "Self-Supervised Enhancement for Named Entity Disambiguation via Multimodal Graph Convolution", IEEE Transactions on Neural Networks and Learning Systems (Q1, IF=14.255), Published, 2023
- Pengfei Zhou, Cong Bai, Jie Xia and Shengyong Chen, "CMRDF: A Real-Time Food Alerting System Based on Multimodal Data", IEEE Internet of Things Journal (Q1, IF=10.238), Published, 2022
- Pengfei Zhou, Cong Bai, Kaining Ying, Jie Xia and Lixin Huang, "RWMF: A Real-World Multimodal Foodlog Database", 25th International Conference on Pattern Recognition, Published, 2021

ACTIVITIES AND INTERESTS

- Reviewer of ACM MM2023, ICMR2023, ICME2023, ICME2022, ICPR2022
- Co-Organizer of China Multimedia 2023 conference
- Currently working on computer vision, zero-shot learning and multimedia, interested in HCI, generative AI and games
- Changed major (studied in Civil Engineering College for one and a half year)