XIN JIN

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EDUCATION

Chongqing Technology and Business University (CTBU), China　　　Sept. 2022 - June 2025
Software Engineering　　　Master

Pass College of Chongqing Technology and Business University, China　　　Sept. 2018 - June 2022
Internet of Things Engineering　　　Bachelor

WORK EXPERIENCE

Encode Lab, Westlake University, Research Assistant (Full Time)　　　June 2025 – Present
- Efficient AI and ML System, supervised by Prof. Huan Wang.

PROJECTS & RESEARCH EXPERIENCE

Chongqing Institute of Financial Technology, Research Intern　　　July 2023 – Sept. 2023
- Building a 3D view Finger vein dataset. 🎧 Database
- Optimizing algorithms for vein classification systems.

CAIRI AI Lab, Westlake University, Research Intern (Remote)　　　Mar. 2024 – June 2025
- Studying Mixup and Multi-modal Large Language, supervised by Siyuan Li and Prof. Stan Z. Li.

OpenMixup Toolbox and Awesome of Mixup
- An open-source mixup toolbox and benchmark for visual representation learning. **657 stars, 61 forks**
- An awesome list of Mixup Augmentation and Beyond. **156 stars, 11 forks**

SELECTED PUBLICATIONS (∗ denotes equal contribution, † denotes corresponding author.)

LLM & MLLM

MergeMix: A Unified Augmentation Paradigm for Visual and Multi-Modal Understanding 🎧 **Code**　　　arXiv, 2025
<u>Xin Jin</u>, Siyuan Li∗, Siyong Jian, Kai Yu, Huan Wang†

Taming LLMs by Scaling Learning Rates with Gradient Grouping　　　ACL (main), 2025
Siyuan Li∗, Juanxi Tian∗, Zedong Wang∗, <u>Xin Jin</u>, Zicheng Liu†, Wentao Zhang, Dan Xu

Mixup Augmentation

A Survey on Mixup Augmentations and Beyond 🎧 **Awesome list**　　　arXiv, 2024
<u>Xin Jin</u>∗, Hongyu Zhu∗, Siyuan Li∗, Zedong Wang, Zicheng Liu, Chang Yu, Juanxi Tian, Huafeng Qin, Stan Z. Li†.

SUMix: Mixup with Semantic and Uncertain Information 🎧 **Code**　　　ECCV, 2024
Huafeng Qin∗,†, <u>Xin Jin</u>∗, Hongyu Zhu, Hongchao Liao, Mounîm A. El-Yacoubi, Xinbo Gao.

Adversarial AutoMixup *(Spotlight, rate 5%)* 🎧 **Code**　　　ICLR, 2024
Huafeng Qin∗,†, <u>Xin Jin</u>∗, Yun Jiang, Mounîm A. El-Yacoubi, Xinbo Gao.

Biometric Identification

StarLKNet: Star Mixup with Large Kernel Networks for Palm Vein Identification　　　arXiv, 2024
<u>Xin Jin</u>∗, Hongyu Zhu∗, Mounîm A. El-Yacoubi, Hongchao Liao, Huafeng Qin, Yun Jiang†.

EM-DARTS: Hierarchical Differentiable Architecture Search for Eye Movement Recognition　　　TIM, 2025
Huafeng Qin†, Hongyu Zhu, <u>Xin Jin</u>, Xin Yu†, Mounîm A. El-Yacoubi, Shuqiang Yang

EmMixformer: Mix Transformer for Eye Movement 🎧 **Database**　　　TIM, 2025
Huafeng Qin†, Hongyu Zhu, <u>Xin Jin</u>, Qun Song†, Mounîm A. El-Yacoubi, Xinbo Gao.

RelaxDARTS: Relaxing the Constraints of Differentiable Architecture Search for Eye Movement Recognition *(Oral)* CCBR, 2024

Hongyu Zhu[*], <u>**Xin Jin**</u>[*], Hongchao Liao, Yan Xiang, Mounîm A. El-Yacoubi, Huafeng Qin[†].

GANet: Gabor Attention Aggregation Network for Palmvein Identification *(Oral)* HSI, 2024

Hongchao Liao, <u>**Xin Jin**</u>, Hongyu Zhu, Yuming Fu, Mounîm A. El-Yacoubi, Huafeng Qin[†].

COMPETITION HONORS

Challenge Cup of "Qin Chuang Yuan"	National 2nd prize
The 14th Challenge Cup	Provincial 2nd prize
China International Student Innovation Competition	Provincial 2nd prize
The 7th Art Exhibition for College Students in Chongqing	Provincial 1st prize
The 7th Innovation and Entrepreneurship Competition	School 2nd prize
The 3rd Annual "Best of Libraries"	School 1st prize

ADDITIONAL ACHIEVEMENTS

Programming language: C/C++, Java, Python, Pytorch, LaTeX

Platform: Windows, Linux

Languages: Mandarin (Native), English (CET-6)

Hobbies: Photography, Hiking

SERVICES & MEMBERSHIPS

Reviewers: ICLR (2025-2026), CVPR(2026)

Memberships: China Computer Federation (CCF Student Member)