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 June 2025 – Present
- Efficient AI and ML System, supervised by Prof. Huan Wang.

PROJECTS & RESEARCH EXPERIENCE

Chongqing Institute of Financial Technology: Vein Identification July 2023 – Sept. 2023
- Building a 3D view Finger vein dataset. 🎧 Databese
- Skills for installing vein recognition door locks.
- Optimizing algorithms for vein classification systems.

Chongqing Intelligence Perception and Block Chain Technology Key Lab Sept. 2022 – Sept. 2023
- Studying Data Augmentation and Palm Vein, supervised by Prof. Huafeng Qin.

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

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

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†.

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†.

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.

(M)LLMs Optimization

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

Biometric Identification

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