Xin Jin

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Education

Chongqing Technology and Business University(CTBU), China   Sept. 2022 - Present
Master's Degree Candidate of Software Engineering

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

Projects & Research Experience

Chongqing Institute of Financial Technology: Vein Identification   July 2023 – Step. 2023
- Building a 3D view Finger vein dataset.
- Skills for installing vein recognition door locks.
- Optimising algorithms for vein classification systems.
- Researching finger vein recognition algorithms.

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

Institute for AI Industry Research, Tsinghua University   June 2024 – Present
- Studying Diffusion Model and Face Editing, supervised by Research AP. Yan Wang.

Selected Publications († denotes corresponding author.)

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   ECCV, 2024
Huafeng Qin*†, <u>Xin Jin</u>*, Hongyu Zhu, Hongchao Liao, Mounîm A. El-Yacoubi, Xinbo Gao.

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

EmMixfomer: Mix Transformer for Eye Movement   arXiv, 2024
Huafeng Qin, Hongyu Zhu, <u>Xin Jin</u>, Qun Song, Mounîm A. El-Yacoubi, Xinbo Gao.

GANet: Gabor Attention Aggregation Network for Palmvein Identification   HSI, 2024
Hongchao Liao, <u>Xin Jin</u>, Hongyu Zhu, Yuming Fu, Mounîm A. El-Yacoubi, Huafeng Qin†.

Adversarial Contrastive Learning Based on Image Generation for Palm Vein Recognition   AIIIP, 2023
Yiquan Wu, Hongchao Liao, Hongyu Zhu, <u>Xin Jin</u>, Shuqiang Yang, Huafeng Qin†.

CGAN-DA: A Cross-Modality Domain Adaptation Model for Hand-Vein Biometric-base Authentication   Journal of CPSI, 2022
Shuqiang Yang, Yiquan Wu, <u>Xin Jin</u>, Mounîm A. El-Yacoubi, Huafeng Qin†.

Additional Achievements

Programming language: C/C++, Java, Python, Pytorch, LaTeX
Platform: Windows, Linux
Languages: Mandarin (Native), English (CET-6)
Other: Photography