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

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

StarLKNet: Star Mixup with Large Kernel Networks for Palm Vein Identification ECAI, 2024
Xin Jin*, Hongyu Zhu*, Mounîm A. El-Yacoubi, Hongchao Liao, Yun Jiang, Huafeng Qin.

SUMix: Mixup with Semantic and Uncertain Information arXiv, 2024
Huafeng Qin*, **Xin Jin***, Hongyu Zhu, Hongchao Liao, Mounîm A. El-Yacoubi, Xinbo Gao.

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

Adversarial Contrastive Learning Based on Image Generation for Palm Vein Recognition AIIIP, 2023
Yiquan Wu, Hongchao Liao, Hongyu Zhu, **Xin Jin**, 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, **Xin Jin**, Mounîm A. El-Yacoubi, Huafeng Qin.

Relevant Coursework

Course: Computer Vision A, Natural Language Processing A, Computer Organization A, Algorithm Design and Analysis B+, Complex Network Theory and Applications B+, Advanced Computer Networks B+, Advanced IoT technologies B, etc.
Awards: Scholarships for new postgraduate students, Scholarships for postgraduate studies.

Additional Achievements

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