Weijia Fan - Hours Waking

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WakingHours-GitHub ✱ Google Scholar

Education

Master's degree in Computer Technology   *Shenzhen University*
Master of Engineering   *Seq. 2023 - Jun. 2026*
Final GPA: 3.65/4.0
Awards: Academic Scholarship (Special Class × 1, First Class × 1)

Bachelor's degree in IOT, minor in Economics   *Harbin University of Commerce*
Bachelor of Engineering, Bachelor of Economics   *Seq. 2019 - Jun. 2023*
Final GPA: 3.64/4.0
Ranking: 1/116
Core Curriculum: Data Structure and Algorithms, Technique & Application of Database, Electronic Technique, C/C++ Language...
Awards: National Scholarship × 1, School Scholarship × 6, Merit Student, Software Literature

Work experience

Agricultural product blockchain quality traceability system and monitoring and early warning mechanism based on machine learning   *September 2019 - September 2021*
Data Analysis   *Harbin, China*

- Heilongjiang Provincial Natural Science Foundation Project. Establish a monitoring and early warning mechanism using machine learning technology for the blockchain of agricultural products.

Publications

- **Weijia Fan**, Qiufu Li, Jiajun Wen, Xiaoyang Peng, Linlin Shen. BCE3S: Binary Cross-Entropy-Based Tripartite Synergistic Learning for Long-Tailed Recognition. (Submitted to CVPR 2025).

- **Weijia Fan**, Jiajun Wen, Xi Jia, Linlin Shen, Jiancan Zhou, Qiufu Li. EPL: Empirical Prototype Learning for Deep Face Recognition. arXiv:2405.12447. (Submitted to Neurocomputing).

- **Weijia Fan**, Ru Zhang, Hao He, Siyu Hou. A Short-Term Price Prediction-Based Trading Strategy. *PLOS ONE*, 2023.

- Shizhen Bai, Hao He, Chunjia Han, Mu Yang, Xinrui Bi, and **Weijia Fan**. What Makes a Theme Park Experience Less Enjoyable? Evidence from Online Customer Reviews of Disneyland China. *Frontiers in Psychology*, 2023. (ABS-1, SSCI-Q1).

- Shizhen Bai, Hao He, Chunjia Han, Mu Yang, Dingyao Yu, Xinrui Bi, Brij B. Gupta, **Weijia Fan**, and Prabin Kumar Panigrahi. Exploring Thematic Influences on Theme Park Visitors' Satisfaction: An Empirical Study on Disneyland China. *Journal of Consumer Behaviour*, 2023. (ABS-2, SSCI-Q3).

Technical skills

Programming Languages/Tools	C/C++, Java, Matlab, Python, LaTeX, PyTorch, TensorFlow.
Server Management	Linux

Language proficiencies

English   IELTS Overall Band Score: 6.0 (Listening: 5.5, Reading: 7.0, Writing: 5.5, Speaking: 6.0). Currently striving to improve my IELTS score (`ToT`).

Research fields

Feature Uniformity Learning
Face Recognition
Long-tailed Recognition

Self evaluation

Passionate

Future research

In the future, I'm hoping to enhance cross-modal large models' performance by applying feature uniformity learning to achieve balanced intra-class compactness and inter-class separability across different modalities, with potential applications in video object detection and visual recognition.