

RESEARCH INTEREST

The visual systems' performance depends on the data quality. My research interest is to automatically and efficiently identify outliers (anomalous data) via high-dimensional data analysis and machine learning.

EDUCATION

Singapore Management University

Ph.D. in Computer Science, Advisor: Prof. Daniel Lin Wen Yan

Singapore

August 2020–Current

Huazhong Agricultural University

B.S. in Information and Computing Science

Wuhan, China

September 2016–June 2020

INTERNSHIP

SmartMore

Advisor: Dr. Jiangbo LU, Dr. Nianjuan Jiang

Shenzhen, China

August 2022–August 2023

- Few-shot Classification
- Anomaly Detection

Institute of Automation, Chinese Academy of Sciences

National Laboratory of Pattern Recognition, Advisor: Prof. Zhen LEI (IEEE Fellow)

Beijing, China

August 2019–January 2020

- Fine-grained Image Recognition
- Animal Recognition

PUBLICATION

- Rethinking Unsupervised Outlier Detection via Multiple Thresholding (first author) ECCV24
- Locally Varying Distance Transform for Unsupervised Visual Anomaly Detection (joint-first author) ECCV22
- Unveiling Advanced Frequency Disentanglement Paradigm for Low-Light Image Enhancement ECCV24
- UPS: Unified Projection Sharing for Lightweight Single-Image Super-resolution and Beyond Neurips 2024
- RBCT: Robust Bray-Curtis Distance for Unsupervised Outlier Detection (first author) Preprint
- ASG: Unsupervised Outlier Detection with Adaptive Self-supervision Generation (first author) Preprint

AWARD

- Excellent Graduate in HZAU 2020