Jiaqi Liu

E-mail:liujq32021@mail.sustech.edu.cn · Phone:(+86) 18742023553 · Homepage:jiaqiliu.cn

🎓 Education

Southern University of Science and Technology   **Computer Science**   **Master**   2021.08 – 2024.06
GPA: 3.58/4.0   Major: advanced algorithm, advanced AI, intelligent data analysis, etc.

Dalian University of Technology   **Software Engineering**   **Bachelor**   2015.09 – 2019.06
GPA: 3.34/4.0   Major: data structures, computer networks, database programming, etc.

⚙️ Skills

- Proficient in Python, C++, Java;
- Proficient in pytorch framework and deep model writing and debugging;
- Proficient in using basic computer vision models for downstream task training.

👥 Working/Internship expierence

Alibaba International Digital Business Group, AI Business   2024.07 – Now
Research and development of multimodal and AIGC-related e-commerce algorithms.

Tencent, Youtu Lab   2022.01 – 2024.03
Research on unsupervised industrial image anomaly detection: detect scratches, dents and other defects.

- Summary of algorithm paradigms in anomaly detection field and predicting future trends;
- Developing the open-iad algorithm library to establish benchmarks and conduct performance analysis for algorithms in scenarios with few samples, noisy learning, etc;
- Research on anomaly detection algorithms in complex scenarios such as multi-modal, few shot, continual learning, etc., leading to the publication of several top-tier journal and conference papers.

Shenzhen Stock Exchange, Shenzhen Securities Communication Co., Ltd.   2019.07 – 2021.06
Analysis and Application of User Access Network Data in the Shenzhen Stock.

- Analyze potential risks based on network security device logs and real-time performance data;
- Research and establish a data platform, analyze the advantages and disadvantages of commercial platform and open source components, and initially build a data middle platform.

♡ Paper & Awards

Accpted Paper (First author and first author contributed equally):

Unsupervised Continual Anomaly Detection with Contrastively-Learned Prompt	AAAI 2024
Deep Industrial Image Anomaly Detection: A Survey	MIR(IF: 6.4) 2024
IM-IAD: Industrial Image Anomaly Detection Benchmark in Manufacturing	IEEE TCYB(IF: 11.8), 2024
Real3D-AD: A Dataset of Point Cloud Anomaly Detection	NeurIPS 2023
Pushing the Limits of Fewshot Anomaly Detection in Industry Vision: Graphcore	ICLR 2023
EasyNet: An Easy Network for 3D Industrial Anomaly Detection	ACM MM 2023

Personal homepage for details：https://jiaqiliu.cn

Awards:

Top 10 Graduates with a Postgraduate Degree, SUSTech	2024
Top 10 Graduates with a Postgraduate Degree, SUSTech College of Engineering	2024
College of Engineering Academic Star, SUSTech	2023
National Scholarship for Graduate Students (Department of Computer Science and Engineering #1)	2023

ℹ Service & Open Source

- NeurIPS, ICLR, ICML, ACM-MM, AAAI, EAAI, ESWA Reviewer
- Create and maintain repository: https://github.com/M-3LAB/awesome-industrial-anomaly-detection(1.3k stars)
- Google Scholar Citations: 195 (since 2023)