

JIAQI LIU

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EDUCATION

Southern University of Science and Technology	Computer Science	Master	2021.08 – 2024.06
GPA: 3.58/4.0	Courses: advanced algorithm, advanced AI, intelligent data analysis.		
Dalian University of Technology	Software Engineering	Bachelor	2015.09 – 2019.06
GPA: 3.34/4.0	Courses: data structures, computer networks, database programming.		

SKILLS

- Proficient in Python, C++, Java;
- Proficient in pytorch framework and deep model writing and debugging;
- Proficient in using Resnet, ViT, diffusion models, and MLLMs for downstream task training.

WORKING/INTERNSHIP EXPERIENCE

Alibaba International Digital Business Group, AI Business 2024.07 – Now

Research and development of MLLM and AIGC-related algorithms.

- Fine-tuning MLLM for tasks such as OCR, image-text Q&A, multi-image reasoning, and other multi-scenario related tasks;
- Automated design of online shopping product detail pages. Reconstruction of the 3 million Taobao products page from China to Japan for Spring 2026..

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

Accepted Paper (300+ citations) and Github Repository:

Accepted Conference Paper:

Unsupervised Continual Anomaly Detection with Contrastively-Learned Prompt	AAAI 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 Multimedia 2023

Accepted Journal Paper:

IM-IAD: Industrial Image Anomaly Detection Benchmark in Manufacturing	IEEE TCYB(IF: 11.8) 2024
Deep Industrial Image Anomaly Detection: A Survey	Machine Intelligence Research(IF: 6.4) 2024
https://github.com/M-3LAB/awesome-industrial-anomaly-detection	1.7k stars

Awards:

Top 10 Graduates with a Postgraduate Degree, SUSTech	2024
College of Engineering Academic Star, SUSTech	2023
National Scholarship, China	2023
Third Prize in Northeast China Mathematical Modeling Competition	2016
Second Prize in 5th "Certification Cup" China International Mathematical Modeling Competition	2016