Yiyu Chen

yiyuchen1998@gmail.com | Personal Website | Google Scholar

EDUCATION

Beijing Institute of Technology   Sep 2020 - Jun 2023
Master of Electronic Science and Technology
Research direction: **person re-identification (re-ID), deep learning, computer vision**
Beijing Institute of Technology   Sep 2016 - Jun 2020
Bachelor of Electronic Engineering

PUBLICATIONS

[CVPR] CA-Jaccard: Camera-aware Jaccard Distance for Person Re-identification (**First author**, Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition)

[SCIS] Improving Pseudo Labeling with Reliable Inter-camera Distance Encouragement for Unsupervised Re-ID (**First author**, Science China-Information Sciences)

[IMAVIS] Consistent Camera-Invariant and Noise-Tolerant Learning for Unsupervised Re-ID (**First author**, Image and Vision Computing)

[PR] Camera-aware cluster-instance joint online learning for unsupervised person re-identification (Third author, Pattern Recognition)

WORK EXPERIENCES

Industrial Bank Co., Ltd   Aug 2023 - Now
Fintech Management trainee
• Responsible for the iterative development of biological assets supervision platform, AI supervision system realization. The mAP of deployed object detection model achieved **89.1%**, reducing the cost of supervision to 1/10.
• Participated in the LLM exploration, designed technical routes, carried out the prompt tuning work for LLM for unit test code generation tasks.

INTERNSHIP EXPERIENCES

Aibee (Beijing) Intelligent Technology Co., Ltd.   May 2022 - Jul 2022
Computer Vision Algorithms Intern
• Responsible for the realization of banking and airport business functions and bad case solving.
• Realized signature event detection demand, including complete data collection and annotation, model training, and model deployment, which offline P/R reaches **99.3%/97.7%**.
• Optimized the airport queue size monitoring model strategy and improved the accuracy by **10.7%**.

HONORS & AWARDS

Outstanding graduate of Beijing (Jun 2023)
Internet + Beijing third prize (Aug 2023)
Bronze Award in the Challenge Cup School Competition (Aug 2022)
Special Scholarship of Beijing Institute of Technology (Sep 2022)
First Prize Scholarship of Beijing Institute of Technology×2 (Sep 2020, Sep 2021)
Third Prize Scholarship of Beijing Institute of Technology×3 (Feb 2018, Sep 2018, Feb 2019)

SKILLS LIST

English skills: CET-6 495 points, reading and writing English professional papers quickly and accurately.
Professional skills: Proficient in Python and Pytorch, and understand Linux, Java, OpenCV.