

Jianyang Gu

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EDUCATION

Zhejiang University

B.Eng. in Control Science and Engineering

- Courses: Automation Control, OOP, Robotic Design, Computer Vision

Hangzhou, China

Sep. 2015 – Jun. 2019

Zhejiang University

Ph.D. Student in Control Science and Engineering

- Research Interests: Unsupervised Domain Adaptation, Image Retrieval, Person Re-Identification

Hangzhou, China

Sep. 2019 – Present

PROJECTS

Multi-view Evolutionary Training for UDA Re-ID (In submission)

Dec. 2020 – Mar. 2021

- Improve the accuracy of clustering results from two dimensions.
- Integrate information from multiple views to promote the quality at separate clustering steps.
- Maintain the historical consistency between adjacent clustering results.

Bias Elimination for UDA Re-ID

Jun. 2020 – Aug. 2020

- 1st place solution to the Visual Domain Adaptation Challenge 2020.
- Solve the inter-domain bias with generative networks and clustering-based training pipeline.
- Solve the intra-domain bias brought by camera differences with post-processing methods.

Angular Triplet Loss for Vehicle Re-ID

Jul. 2019 – Oct. 2019

- Uniform the metric space for triplet loss and cross entropy loss.
- Design an effective baseline with only global feature employed.

WORK EXPERIENCE

Alibaba Research Intern

Jun. 2020 – Apr. 2021

- Focused on the unsupervised domain adaptive person re-identification.

Yitu Tech. CI Intern

May. 2018 – Aug. 2018

- Participated in building up the automated test pipeline for products.

AWARDS & HONORS

Alibaba Merit Research Intern

2020

- Awarded for the out-standing research interns annually.

National AI Challenge 2020 Person Re-Identification Track Second Prize

2020

- A national AI competition; beaten more than 300 teams.

Visual Domain Adaptation Challenge 2020 First Place

2020

- An international competition hold by ECCV workshop; beaten MMLab, Ruiyan Tech., JD AI, etc.

Merit Postgraduate Student

2020

- Awarded for the out-standing graduate students annually.

Robocup Montreal First Place

2018

- An international competition on robot soccer.

PUBLICATIONS

- **J. Gu**, W. Jiang, H. Luo, and H. Yu. An efficient global representation constrained by Angular Triplet loss for vehicle re-identification. *Pattern Anal Applic* 24, 367–379 (2021).
- **J. Gu**, H. Luo, W. Chen, Y. Jiang, Y. Zhang, S. He, F. Wang, H. Li, and W. Jiang. 1st Place Solution to VisDA-2020: Bias Elimination for Domain Adaptive Pedestrian Re-identification. *ArXiv*, 2012.13498.