

Yixiao Ge

PHD STUDENT IN COMPUTER VISION · DEEP LEARNING

304, Ho Sin-Hang Engineering Building, The Chinese University of Hong Kong, Shatin NT, Hong Kong SAR, China

☎ (+852) 90611750 | ✉ geyixiao831@gmail.com | 🏠 yxgeee.github.io | 📷 yxgeee | 📄 Google Scholar

Education

Multimedia Laboratory (MMLAB), The Chinese University of Hong Kong (CUHK)

Hong Kong SAR

PH.D. STUDENT IN COMPUTER VISION AND DEEP LEARNING

Aug. 2018 - Present

- Supervised by Prof. Hongsheng Li and Prof. Xiaogang Wang.
- Research interests include but not limit to image retrieval, image generation and representation learning.

School of Automation, Huazhong University of Science and Technology (HUST)

Wuhan, China

B.S. IN MEASUREMENT AND CONTROL TECHNOLOGY AND INSTRUMENT

Sep. 2013 - Jun. 2017

- GPA: 3.81/4.00. Ranking: 2/48.
- Won National Scholarship and was awarded as Pacemaker to Merit Student.

Research Projects

OpenUnReID: An Open-source Toolbox for Unsupervised or Domain Adaptive Object Re-ID

Codebase

YIXIAO GE, TONG XIAO, ZHIWEI ZHANG, HONGSHENG LI

[code]

- The main developer of OpenUnReID codebase.

Self-paced Contrastive Learning with Hybrid Memory for Domain Adaptive Object Re-ID

In submission

YIXIAO GE, DAPENG CHEN, FENG ZHU, RUI ZHAO, HONGSHENG LI

[paper] [code]

- We propose to encode all available information with a novel self-paced contrastive learning framework.

Structured Domain Adaptation with Online Relation Regularization for Unsupervised Person Re-ID

In submission

YIXIAO GE, FENG ZHU, RUI ZHAO, HONGSHENG LI

[paper] [code]

- We propose to structuredly translate person images for unsupervised domain adaptation.

Self-supervising Fine-grained Region Similarities for Large-scale Image Localization

ECCV 2020

YIXIAO GE, HAIBO WANG, FENG ZHU, RUI ZHAO, HONGSHENG LI

[paper] [code]

- Accepted as a **spotlight** presentation.
- We propose to self-supervise image-to-region similarities by training in generations.

Mutual Mean-Teaching: Pseudo Label Refinery for Unsupervised Domain Adaptation on Person Re-ID

ICLR 2020

YIXIAO GE, DAPENG CHEN, HONGSHENG LI

[paper] [code]

- We propose an unsupervised framework to conduct online refinement of pseudo labels for domain adaptation.

FD-GAN: Pose-guided Feature Distilling GAN for Robust Person Re-identification

NeurIPS 2018

YIXIAO GE*, ZHUOWAN LI*, HAIYU ZHAO, GUOJUN YIN, SHUAI YI, XIAOGANG WANG, HONGSHENG LI

[paper] [code]

- We propose FD-GAN to learn identity-related and pose-unrelated representations for person re-identification with pose-variation.

Honors & Awards

2018 **CUHK Postgraduate Scholarship**, during the whole PhD period

Hong Kong SAR

2016 **First Prize of China Instrument and Control Society Scholarship**, top 6 students nationwide

China

2015 **Pacemaker to Merit Student**, top 20 students in HUST

Wuhan, China

2015 **National Scholarship**, top 1% students in Automation Department

Wuhan, China

Working Experience

SenseTime Research

Shenzhen, China

RESEARCH INTERN

May 2019 - Present

- Worked with Dr. Feng Zhu and Dr. Rui Zhao.

Multimedia Laboratory (MMLAB), The Chinese University of Hong Kong (CUHK)

Hong Kong SAR

RESEARCH ASSISTANT

Sep 2017 - Jul 2018

- Worked with Prof. Hongsheng Li and Prof. Xiaogang Wang.