YANG ZHAO

Tel: (0061)469825542 **Email**: kikiyangzhao@gmail.com

Homepage: https://yangyangkiki.github.io/index.html

Publications: https://scholar.google.com/citations?user=UrVEK7IAAAAJ&hl=en&oi=sra

SUMMARY

Have 4 papers published and 2 papers under review.

Research interest includes but not limited to: Image/Video Person Retrieval; Fine-Grained Classification; Facial Landmark Detection.

EDUCATION

Ph.D., Artificial Intelligence, Griffith University (jointly with the University of Adelaide) *since 2018*

M.S., Computer Science, Wuhan University of Technology *2014-2017*

B.S., Computer Science, Wuhan University of Technology *2009-2013*

MAIN PROJECT EXPERIENCE

Facial Landmark Detection:

1) Introduced a lightweight and effective knowledge distillation method for facial landmark detection. Accepted in PR. *(2018-2019)*

Person Retrieval:

1) Introduced an improved triplet loss that encourages positive pairs as close as possible and penalizes negative pairs proportional to their distances for effective person retrieval. Accepted in PR. *(2019-2020)*

2) Introduced a novel identity-guided human region segmentation method that can predict informative region segments, enabling discriminative region representation learning for person retrieval. (Submitted to PR) *(2020-2021)*

Fine Grained Visual Categorization:

1) Developed a data augmentation method to mitigate overfitting and thus enhance generalization capability for FGVC. Submitted to PR. *(2019-2020)*

PUBLICATIONS

- **Zhao, Y.**, Liu, Y., Shen, C., Gao, Y., & Xiong, S. (2020). MobileFAN: transferring deep hidden representation for face alignment. *Pattern Recogn., 100, 107114.*
- **Zhao, Y.**, Shen, C., Yu, X., Chen, H., Gao, Y., & Xiong. S. (2021). Learning Deep Person-Aware Embedding for Person Re-Identification. *Pattern Recogn., 107938.*
- Yu, X., **Zhao, Y.**, Gao, Y., Xiong, S., & Yuan, X. (2020). Patchy Image Structure Classification Using Multi-Orientation Region Transform. In *Proc. AAAI Conf. Artificial Intell. (AAAI)*
- Wang, J., Sun, K., Cheng, T., Jiang, B., Deng, C., **Zhao, Y.**, ... & Xiao, B. (2020). Deep high-resolution representation learning for visual recognition. *IEEE Trans. Pattern Anal. Mach. Intell.*
- Yu, X., **Zhao, Y.**, Gao, Y., & Xiong. S. MaskCOV: A Random Mask Covariance Network for Ultra-Fine-Grained Visual Categorization. *Pattern Recogn.* (Under the Second Round of Revision)

AWARDS & GRANTS

Australian International Postgraduate Research Scholarship *2018-2021*

Top-up Scholarship *2018-2021*

SKILLS

Python, Pytorch