

ZHANYUAN YANG

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EDUCATION

Shenzhen University Shenzhen, China
College of Computer Science and Software Engineering (*CSRankings 2016-2022 159th; 17th in China*)
M.E. in Software Engineering — GPA 3.32/4.00 2019 – 2022

Guangdong University of Foreign Studies Guangzhou, China
School of Information Science and Technology
B.E. in Software Engineering — GPA 3.28/4.00 2014 – 2018

EXPERIENCE

Shenzhen University Shenzhen, China
Research Assistant, [Research Institute for Future Media Computing](#) July. 2022 – Present

Research Topics:

- Few-shot image classification via both *multi-view contrastive learning* and *feature normalization*.
- Fine-grained image retrieval via *relation-based convolutional descriptor aggregation*.

PUBLICATIONS

- **Zhanyuan Yang**, Jinghua Wang and Yingying Zhu*. Few-Shot Classification with Contrastive Learning. *European Conference on Computer Vision (ECCV)*, 2022. ([Top Conference in Computer Vision](#)) [[paper](#)]
Highlight: Integrate constrastive learning in both stages of few-shot image classification for the first time.
- Xiaoyan Huang, Bin Sun, **Zhanyuan Yang**, Yingying Zhu* and Qi Tian. Locality-sensitive hashing approach based on semantic space for visual retrieval. *Journal of Image and Graphics*, 2021. [[paper](#)]
Highlight: One new weighted semantic locality-sensitive hashing method for visual retrieval.
- Gang Cao, **Zhanyuan Yang**, Xiufan Lu and Yingying Zhu*. Learning Relation-based Features for Fine-grained Image Retrieval. *Pattern Recognition*, under review.
Highlight: A fine-grained image retrieval framework free from object-level annotations.

HONORS AND AWARDS

The Second Prize of Postgraduate Academic Scholarship, Shenzhen University	2021 - 2022
The Second Prize of Postgraduate Academic Scholarship, Shenzhen University	2020 - 2021
The First Prize of Postgraduate Academic Scholarship, Shenzhen University	2019 - 2020

SKILLS

Python, PyTorch, C++, Linux.

MISCELLANEOUS

Languages:

- Mandarin - Native speaker
- English - CET4 and CET6; IELTS preparation in progress

Hobbies: Football and running