

# ZHANYUAN YANG

✉ [yangzhanyuan2019@email.szu.edu.cn](mailto:yangzhanyuan2019@email.szu.edu.cn) · ☎ (+86) 136-5235-3220

## EDUCATION

---

|   |                  |
|---|------------------|
| <b>Shenzhen University</b>  | Shenzhen, China  |
| College of Computer Science and Software Engineering ( <i>CSRankings 2016-2022 159th; 17th in China</i> ) |                  |
| M.E. in Software Engineering — GPA 3.32/4.00  | 2019 – 2022      |
| <b>Guangdong University of Foreign Studies</b>  | Guangzhou, China |
| School of Information Science and Technology  |                  |
| B.E. in Software Engineering — GPA 3.28/4.00  | 2014 – 2018      |

## EXPERIENCE

---

|  |                      |
|--|----------------------|
| <b>Shenzhen University</b>   | Shenzhen, China      |
| Research Assistant, <a href="#">Research Institute for Future Media Computing</a>                                  | July. 2022 – Present |
| <b>Research Topics:</b>  |                      |
| – Few-shot image classification via both <i>multi-view contrastive learning</i> and <i>feature normalization</i> . |                      |
| – Fine-grained image retrieval via <i>relation-based convolutional descriptor aggregation</i> .                    |                      |

## 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](#)) [[link](#)]  
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. [[link](#)]  
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