

Fengyuan Yang

Curriculum Vitae

+86 15810536858

fengyuan.yang@u.nus.edu

Homepage: <https://martayang.github.io/>



Research Interests

My research interests encompass the field of Computer Vision, with a particular emphasis on Human Pose Estimation during my Ph.D. Previously, during my Master's studies, I explored the incorporation of semantic knowledge in Few-Shot Learning.

Education

- 08.2022 - Present **PhD. of Computer Science**, *Department of Computer Science, National University of Singapore (NUS)*, Singapore
Advisor: Prof. Angela Yao
- 09.2019 - 06.2022 **Master of Computer Science**, *Institute of Computing Technology (ICT), University of Chinese Academy of Sciences (UCAS)*, Beijing, China
GPA: 3.92/4.00. Advisor: Prof. Xilin Chen and Prof. Ruiping Wang
- 02.2018 - 07.2018 **Student Exchange Program of Computer Science**, *École Polytechnique Fédérale de Lausanne (EPFL)*, Lausanne, Switzerland
GPA: 5.71/6.00.
- 09.2015 - 07.2019 **Bachelor of Engineering in Computer Science and Technology**, *University of Chinese Academy of Sciences (UCAS)*, Beijing, China
GPA: 3.89/4.00.

Publications

- WACV 2023 **Fengyuan Yang**, Ruiping Wang, Xilin Chen: **Semantic Guided Latent Parts Embedding for Few-Shot Learning**.
- WACV 2022 **Fengyuan Yang**, Ruiping Wang, Xilin Chen: **SEGA: Semantic Guided Attention on Visual Prototype for Few-Shot Learning**.

Projects

- 06.2020 - 06.2022 **Robot Vision Exploration Project**, *VIPL research group*
The designer&maintainer of customized LoCoBot communication framework (using ROS).
- 10.2019 - 06.2022 **Visual Knowledge Base Project**, *VIPL research group*
One primary rule-maker of annotation and collection (from text to knowledge graph).
- 10.2018 - 10.2019 **Online Learning Collaborative Project**, *VIPL research group & Huawei Co., Ltd*
The key contributor for few-shot learning module (using the semantic to guide the visual).

Honors and Awards

- 06.2020 **CVPR2020 CLVision Workshop Challenge**, *1st place, Winner of "NI" Track*

- 07.2019 **Outstanding Undergraduate Award**, *University of Chinese Academy of Sciences*
- 07.2019 **Outstanding Undergraduate Award**, *Beijing Municipal Education Commission*
- 09.2018 **National Student Computer System Capability Challenge**, *1st place*
- 12.2017 **The ACM-ICPC Asia Regional Contest EC-Final 2017**, *Bronze Medal*
- 10.2017 **The ACM-ICPC Asia Regional Contest Xi'an Site 2017**, *Bronze Medal*
- 10.2016 **The China Collegiate Programming Contest Hefei Site 2016**, *Bronze Medal*