Fengyuan Yang
Curriculum Vitae

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Homepage: **https://martayang.github.io/**
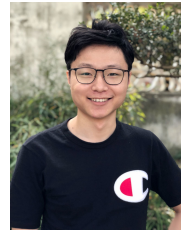
Research Interests

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**, *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

CVPR 2024	**Fengyuan Yang**, Kerui Gu, Angela Yao: **KITRO: Refining Human Mesh by 2D Clues and Kinematic-tree Rotation**.
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*