Jingkai Zhou

PERSONAL DETAILS

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EDUCATION

Ph.D. Student in Software Engineering   2015 – Present
South China University of Technology

GPA:	3.72 / 4.0	**Rank:**	1

Advisor: Prof. Qiong Liu
Direction: Object Detection, Image Classification, and Neural Architecture Search

Visiting Student in Vision and Learning Lab   2019 – 2020
University of California, Merced

Advisor: Prof. Ming-Hsuan Yang
Co-Advisor: Prof. Varun Jampani
Direction: Object Detection, Image Classification, and Neural Architecture Search

B.Eng. in Software Engineering   2011 – 2015
South China University of Technology

Advisor: Prof. Qiong Liu
Direction: Image Registration
Thesis title: A combined similarity measure for multimodal image registration

HONORS AND AWARDS

1. Honorable Mention in VisDrone Challenge, held on ECCV 2020.
2. Honorable Mention in VisDrone Challenge, held on ECCV 2018.
3. National Scholarship for Ph.D. students, 2018.

PUBLICATIONS

1. **Jingkai Zhou**, Varun Jampani, Zhixiong Pi, Qiong Liu*, Ming-Hsuan Yang. "Decoupled Dynamic Filter Networks". *CVPR*, 2021.
2. **Jingkai Zhou**, Chi-Man Vong, Qiong Liu*, Zhenyu Wang. "Scale Adaptive Image Cropping for UAV Object Detection". *Neurocomputing*, 2019.
3. Hu Lin, **Jingkai Zhou**, Yanfen Gan, Chi-Man Vong, Qiong Liu*. "Novel up-scale feature aggregation for object detection in aerial images". *Neurocomputing*, 2020.
4. Zhewei Xu, Jiajun Zhuang, Qiong Liu*, **Jingkai Zhou**, Shaowu Peng. "Benchmarking a Large-scale FIR Dataset for On-road Pedestrian Detection". *Infrared Physics & Technology*, 2019.
5. Feng Wu, Shaowu Peng, **Jingkai Zhou**, Qiong Liu*, Xiaojia Xie. "Object Tracking via Online Multiple Instance Learning with Reliable Components". *CVIU*, 2018.
6. **Jingkai Zhou**, Qiong Liu*. "A Combined Similarity Measure for Multimodal Image Registration". *IST*, 2015.