

# Jingkai Zhou

## PERSONAL DETAILS

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## EDUCATION

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

**GPA:** 3.72 / 4.0 **Rank:** 1  
**Advisor:** Prof. Qiong Liu  
**Orientation:** 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  
**Orientation:** Object Detection, Image Classification, and Neural Architecture Search

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

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

## HONORS AND AWARDS

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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

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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.