# Jingkai Zhou

## PERSONAL DETAILS

| | |
|---|---|
| *Address* | South China University of Technology, Guangzhou, China |
| *Phone* | (+86) 13168312353 |
| *EMail* | fs.jingkaizhou@gmail.com |
| *Homepage* | http://thefoxofsky.github.io |

## 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. Hu Lin, **Jingkai Zhou**, Yanfen Gan, Chi-Man Vong, Qiong Liu*. "Novel up-scale feature aggregation for object detection in aerial images". *Neurocomputing*, 2020.
3. **Jingkai Zhou**, Chi-Man Vong, Qiong Liu*, Zhenyu Wang. "Scale Adaptive Image Cropping for UAV Object Detection". *Neurocomputing*, 2019.
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. Zhewei Xu, Jiajun Zhuang, Qiong Liu*, **Jingkai Zhou**, Shaowu Peng. "Nighttime FIR Pedestrian Detection Benchmark Dataset for ADAS". *PRCV*, 2018.
6. Feng Wu, Shaowu Peng, **Jingkai Zhou**, Qiong Liu*, Xiaojia Xie. "Object Tracking via Online Multiple Instance Learning with Reliable Components". *CVIU*, 2018.
7. **Jingkai Zhou**, Qiong Liu*. "A Combined Similarity Measure for Multimodal Image Registration". *IST*, 2015.

## OTHER INFORMATION

Applied for **3 Chinese patents** and served as the **reviewer** for several top-tier conferences and journals, such as **CVPR**, **ICCV**, **AAAI**, **CVIU**, and **Neurocomputing**.