Kewei Wang

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EDUCATION

- **Huazhong University of Science and Technology (HUST)** — Wuhan, China
  M.Sc. in Artificial Intelligence — *2021 - 2024*
    - GPA: 89.4/100.0
    - Advisor: Prof. Zhiguo Cao

- **Huazhong University of Science and Technology (HUST)** — Wuhan, China
  B.Eng. in Automation — *2017 - 2021*
    - GPA: 90.0/100.0

RESEARCH INTERESTS

- Small Object Detection, Monocular 3D Object Detection

PUBLICATIONS

1. *Interior Attention-Aware Network for Infrared Small Target Detection*
   Kewei Wang, Shuaiyuan Du, Chengxin Liu, Zhiguo Cao
   IEEE Transactions on Geoscience and Remote Sensing (**TGRS**), 2022

2. *From Characteristic Response to Target Edge Diffusion: An Approach to Small Infrared Target Detection*
   Shuaiyuan Du*, **Kewei Wang***, Zhiguo Cao (* Co-first Authors)
   Infrared Physics & Technology, 2022

3. *Robust Object Detection With Inaccurate Bounding Boxes*
   Chengxin Liu, **Kewei Wang**, Hao Lu, Zhiguo Cao, Ziming Zhang
   European Conference on Computer Vision (**ECCV**), 2022

4. *Dynamic Color Transform Networks for Wheat Head Detection*
   Chengxin Liu, **Kewei Wang**, Hao Lu, Zhiguo Cao
   Plant Phenomics, 2022

5. *Transview: Inside, outside, and across the cropping view boundaries*
   Zhiyu Pan, Zhiguo Cao, **Kewei Wang**, Hao Lu, Weicai Zhong
   In Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV), 2021

6. *Dynamic color transform for wheat head detection*
   Chengxin Liu, **Kewei Wang**, Hao Lu, Zhiguo Cao
   Proceedings of the IEEE/CVF International Conference on Computer Vision Workshops (ICCVW), 2021

HONORS AND AWARDS

2nd Place in the ICCV21 Global Wheat Challenge 2021 2021
Outstanding Graduate, HUST 2021
National Encouragement Scholarship, HUST 2018