Huixin Sun

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School of Electronic Information Engineering
Shen Yuan Honors College
Beihang University

EDUCATION

Ph.D. (2021 -)   Signals and Information Processing,
                  Beihang University

B.S. (2017 - 2021)   Internet of Things (IoT) Engineering,
                     Beijing University of Posts and Telecommunications
                     GPA: 92.24 (1/180)

APPOINTMENTS

2022.03 - 2022.09   Baidu Inc.
                    Department of Computer Vision Technology
                    Research Intern

2019.09 –2020.09   Institute of Automation, Chinese Academy of Sciences
                   National Laboratory of Pattern Recongition(NLPR)
                   Computational Biology and Machine Intelligence (CBMI) group
                   Research Intern

RESEARCH AREAS

Object detection: small, tiny, occluded object detection in natural and drone-shot images

Network compression and acceleration: model quantization, pruning and distillation

Image classification: feature extraction, fusion and network design

PUBLICATIONS

Manuscripts in Review

2023   Huixin S., B. Zhang, Y.Li, X. Cao "Confidence-driven Bounding Box Localization for Small Object Detection." Under review.

2023   Huixin S., Y. Wang, B. Zhang "MAFormer: A Transformer Network with Multi-scale Attention Fusion for Visual Recognition." Under review.

SELECTED AWARDS

2019 National Scholarship

2021 Excellent Graduates of Beijing

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