

Weiming Chen

Graduate Student



About me

Weiming Chen received the B.Eng. degree in the mechanical design manufacture and automation from Xidian University, Xi'an, China, in 2019, where he is pursuing the M.Sc. degree in electronic science and technology with the Visual Information Processing Laboratory (VIPL), School of Electronic Engineering. His research interests include machine learning, computer vision, object detection, and remote sensing.

Contact

Born on January 1997

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Page: <https://wmchen97.github.io>

Languages

Chinese - Native Language

English - Professional Knowledge (CET-6)

Interests

- Coding
- Books
- Badminton
- Gym
- Music
- Movies

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Education

2020-Today



Master Degree

Xidian University

VIPL, School of Electronic Engineering

Major in Electronic Science and Technology

Supervisor: Prof. Bing Han.

Xi'an, Shaanxi, China

2015-2019



Bachelor Degree

Xidian University

School of Mechano-Electronic Engineering

Major in Mechanical Design Manufacture and Automation.

Xi'an, Shaanxi, China

Programming Languages & Skills

Language

Highly Specialized: **Python**

Advanced: **MATLAB**

Intermediate: **C, C++, Java, HTML, CSS, SQL**

Library

Highly Specialized: **PyTorch**

Intermediate: **Tensorflow, NumPy, Matplotlib, OpenCV**

Other Skill

Advanced: **Excel, Word, PowerPoint, LaTeX**

Publications & Patents

- [1] **Weiming Chen**, Bing Han, Zheng Yang, Xinbo Gao. MSSDet: Multi-Scale Ship-Detection Framework in Optical Remote-Sensing Images and New Benchmark. *Remote Sensing*, 14(21): 5460, 2022. 10.3390/rs14215460
- [2] Zheng Yang, Bing Han, **Weiming Chen**, Xinbo Gao. TMDiMP: Temporal memory guided discriminative tracker for UAV object tracking. *Remote Sensing*, 2022. (Under review)
- [3] Bing Han, Lu Gao, Xinbo Gao, **Weiming Chen**. Nuclear Segmentation Method for Thyroid Carcinoma Pathologic Images Based on Boundary Weighting. *Journal of Xidian University*, 2022. (Under review)
- [4] Bing Han, **Weiming Chen**, Xinbo Gao, Zheng Yang, Xiaoyue Huang. A Multi-scale Object Detection Method Based on Joint Recursive Feature Pyramid. 202211339440. (Invention patent, Under review)
- [5] Bing Han, Lu Gao, Zheng Yang, **Weiming Chen**, Xiaoyue Huang. A Pathological Image Segmentation Method Based on Point Annotated Data. 2022105696413. (Invention patent, Under review)

Projects

2022-Today

Research on Key Technologies of Automatic Annotation of Adaptive Multi-domain Image Data

Project of the Key Industry Innovation Chain of Shaanxi

Research: Instance-level annotation based on domain adaptive and active learning;

Develop: Visual annotation platform.

2019-2020

Remote Rehabilitation Monitoring System Based on Artificial Intelligence

Entrepreneurial Project

Designed the open-jaw detection algorithm. Silver award of the 12th Xidian University "The Challenge Cup" competition.

2018-2019

Environmental Monitoring System of Xidian University

Entrepreneurial Project

Responsible for the industrial design. Designed an air quality detector.