Chaoyun Wang
PhD candidate
Xi 'an Jiaotong University, China

+86-15636082326
https://chaoyunwang.github.io/
chaoyunwang@stu.xjtu.edu.cn

Summary

I was born in Fuyang, China in 1997, and am currently pursuing a PhD in Xi 'an Jiaotong University. My research topic is intelligent optimization and application of developing surfaces. I use machine learning methods to solve geometric modeling optimization problems, and apply geometric constraint properties to computer vision tasks. In the past, I have studied different problems in different education stages and work experiences, from aviation model to intelligent medical treatment, from intelligent security to intelligent geometric optimization, and achieved a series of excellent results in each stage. Growing up in the background of diverse research directions, I have the confidence to face many research challenges in the present and future.

Education

- **Xi 'an Jiaotong University** *Sep. 2022–Present*
  PhD in Control Science and Engineering (Caigui Jiang) Xi 'an, China
- **Harbin Engineering University** *Sep. 2018–Mar. 2021*
  Master of Control Science and Engineering (Hongwei Mo) Harbin, China
- **Heilongjiang University of Science and Technology** *Sep. 2014–Jun. 2018*
  Bachelor of Electrical Engineering and Automation Harbin, China

Experience

- **Zhejiang Dahua Technology Co., Ltd.** *Apr. 2021–Jul. 2022*
  Intelligent Algorithm Engineer Hangzhou, China

Publications

•Wang C, Xin J, Zheng N, et al. GSO-Net: Grid Surface Optimization via Learning Geometric Constraints[C]//Proceedings of the AAAI Conference on Artificial Intelligence. 2024, 38(8): 8163-8171.

•Zhang X, Li H, Wang C, et al. Evaluating the accuracy of breast cancer and molecular subtype diagnosis by ultrasound image deep learning model[J]. Frontiers in oncology, 2021, 11: 623506.

•Wang C, Mo H. Breast Ultrasound Image Analysis based on Transfer Learning[C]//Proceedings of the 2020 4th International Conference on Computer Science and Artificial Intelligence. 2020: 115-121.

•Wang C, Mo H. Breast cancer diagnosis method based on multitask learning and BI-RADS assessments[C]//Proceedings of the 2020 Conference on Artificial Intelligence and Healthcare. 2020: 264-269.

•Mo W, Zhu Y, Wang C. A method for localization and classification of breast ultrasound tumors[C]//Advances in Swarm Intelligence: 11th International Conference, ICSI 2020, Belgrade, Serbia, July 14–20, 2020, Proceedings 11. Springer International Publishing, 2020: 564-574.

Patents

- A Grid Surface Optimization Method Based on Deep Learning. Caigui Jiang, Chaoyun Wang, Jingmin Xin, Nanning Zheng. CN202311410329.0
- A neural network training method, an image detection method and a device thereof. Chaoyun Wang, He Sun, Huadong Pan, Jun Yin. CN202210632202.2
- An image processing method, device, electronic device and storage medium. Chaoyun Wang, He Sun, Huadong Pan, Jun Yin. CN202210591631.X
- The detection method of the placement state of the target object and related equipment. Chaoyun Wang, He Sun, Huadong Pan, Jun Yin. CN202210604674.7
- The invention relates to a data cleaning method, device and system. Chaoyun Wang, Jun Yin, Huadong Pan, He Sun. CN202111526828.7
- Image acquisition, object recognition, model training methods and equipment. Chaoyun Wang, Jun Yin, Huadong Pan, He Sun. CN202111339344.1
- Object identification method, electronic equipment and storage media. Chaoyun Wang, Jun Yin, Huadong Pan, He Sun. CN202111342318.4

Competitions and Awards

- Honorary Title of Excellent Graduate of Harbin Engineering University in 2021
- Team leader of the "Huawei Cup" Second China Graduate Artificial Intelligence Innovation Competition in 2020
- The second prize of the International College Student Brain-like Computing Competition in 2019
- The second prize of the first "CCI Cup Camel People Medical Science and Technology Innovation Award" in 2019
- HIT International Summer School on Artificial Intelligence Completion Certificate in 2018
- The second prize of the ground Reconnaissance Project of the National Scientific Research Aerospace Model Championship in 2016
- The third prize of Scientific and technological innovation of the National Scientific Research Aerospace Model Championship in 2016
- The second prize of Vertical takeoff and Landing Project of the National Scientific Research Aerospace Model Championship in 2015