Yi Zuo 左谊

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RESEARCH INTERESTS

Video Editing, Video Understand, Diffusion of Generation, Change Detection

EDUCATION

Xidian University		2018.09-2022.06, Bachelor
Electronic Commerce	First: Overall ranking	GPA: 3.7 (84.7)
Xidian University		2022.09-present, Master
Computer Science	Superviser: LiCheng Jiao	GPA: *(82.62)

MAIN RESEARCH

Google Scholar: https://scholar.google.com/citations?user=VGRST9cAAAAJ&hl=zh-CN

- **Zuo Y**, Li L, Liu X, et al. Robust Instance-based Semi-supervised Learning Change Detection for Remote Sensing Images[J]. IEEE Transactions on Geoscience and Remote Sensing, 2024.

- Yu X, **Zuo Y**, Wang Z, et al. The Robust Semantic Segmentation UNCV2023 Challenge Results[C]//Proceedings of the IEEE/CVF International Conference on Computer Vision. 2023: 4618-4628.

- Li X, Sun Q, Jiao L, Fang L, Xu L, Ling L, Chen H, **Zuo Y**. D^3K: Dynastic Data-Free Knowledge Distillation[J]. IEEE Transactions on Multimedia, 2023.

(A paper about video motion editing submitted on ACMMM2024)

WORK EXPERIENCE

2021.8~2022.5   Xi'an SenseTime   Algorithm/Android intern

Project: AI intelligent care system.

Main description: Use multiple sensors (RGB, NIR, and THERMAL) to provide non-contact physiological indicator detection for patients and alarm them in case of abnormal conditions.

Main responsibilities: Build the architecture of the project from scratch. Collect relevant data. Research, develop, and deploy corresponding algorithms. Production of product demonstration videos. Maintenance and Upgrade of Product Code.

(Received the Annual SenseTime **Future Star Award**)

Other Project: Eye-controlled wheelchair, Writing Chapter 11 of < Introduction to Intelligent Robotics> book.

HONOURS AND AWARDS

CHALLENGE

First Place:

- ICCV2023 MUAD Uncertainty Estimation for Semantic Segmentation Challenge
- ECCV2022 AIM 2022 Challenge on Instagram Filter Removal
- ICCV2023 The 5th Large-scale Video Object Segmentation Challenge - Track 1: Video Object Segmentation

Second Place:

- CVPR2023 6th UG2+ Challenge Runner-Up
- CVPR2023 EPIC-Kitchens Dataset Challenges Hand-Object Segmentation Track
- CVPR2023 EPIC-Kitchens Dataset Challenges Semi-Supervised Video Object Segmentation
- ICCV2021 Learning to Understand Aerial Images Challenge

Third Place:

- CVPR2023 OmniLabel Challenge 2023 Tracks B
- CVPR2023 OmniLabel Challenge 2023 Tracks A
- CVPR2022 THE Visual Inductive Priors for Data-Efficient Computer Vision 2022 Image Classification Challenge

SCHOLARSHIP

- First-class Scholarship, Xidian University, 2023
- Langchao Scholarship, Xidian University, 2023
- Freshman First-class Scholarship, Xidian University, 2022
- National Inspiration Scholarship, Xidian University, 2021
- First-class Scholarship, Xidian University, 2020
- Xiaomi Scholarship, Xidian University, 2020
- Qianyonggui Scholarship, Xidian University,2020

OTHER

- **SenseTime Future Star Award, SenseTime, 2021**