

# Zuo Yi



(Interested in becoming a PhD)

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## Educational

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2022.9~now    Xidian University      School of Artificial Intelligence      Computer Science and Technology

## Project/Research Experience

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2021.8~2022.5    Xi'an SenseTime Application and Research Laboratory

### Algorithm/Android intern

**Project:** AI intelligent care system for Alzheimer's disease

**Main description:** Using RGB, NIR, and thermal imaging techniques to provide contactless care for the vital signs of patients with progressive frostbite; During the internship, I provided customized care services for the Moroccan Ambassador to China.

**Main responsibilities:** Starting from scratch, research, development, deployment, and corresponding data collection of respiratory detection algorithms; The deployment of various functions such as respiratory detection, active call for help, and abnormal warning, applied to the Great Fire God equipment.

2022.9~now                      Xidian IPIU Lab                      project leader

**Project:** gradually frozen human eye controlled wheelchair

**Main description:** By combining an eye tracker with a wheelchair, the movement of the wheelchair is controlled by the eyes, making it convenient for people with gradually frozen or disabled to travel easily.

**Main responsibilities:** task formulation, scheme design, code deployment, debugging, and key algorithm development.

## Award winning experience

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- ICCV2023 MUAD Uncertainty Estimation for Semantic Segmentation Challenge **Winner**
- ICCV2023 The 5th Large-scale Video Object Segmentation Challenge - Track 1: Video Object Segmentation **Winner**
- ECCV2022 AIM2022 Challenge on Instagram Filter Removal **Winner**
- ICCV2021 Learning to Understand Aerial Images Second place Award

- CVPR2023 EPIC-Kitchens Dataset Challenges Semi-Supervised Video Object Segmentation  
Second place Award
- CVPR2023 EPIC-Kitchens Dataset Challenges Hand-Object Segmentation Second place Award
- CVPR2023 UG2+ Text Recognition through Atmospheric Turbulence Second place Award
- CVPR2023 OmniLabel Challenge TrackA&B 3<sup>rd</sup> place

## **Paper**

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I am submitting a Tgrade paper on change detection..

## **Self evaluation**

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Outgoing personality, with affinity and pressure resistance. Serious and enthusiastic towards work, with a sense of responsibility and learning ability, organizational and management skills, and a solid foundation in writing. Willing to actively and diligently approach work and respond to challenges in the workplace.