

Zirong Liu

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RESEARCH INTERESTS

Ophthalmic artificial intelligence; Medical Image Processing; 3D Reconstruction.

EDUCATION

2022- Now | Master^{1,2} | BME & CS (Joint student)

- 1.Wenzhou Medical University(wmu), Electronic Information (Biomedical Engineering Direction);
- 2.Southern University of Science and Technology (SUSTech), Department of Computer Science and Engineering;

2018-2022 | Bachelor | Biomedical Engineering

- Sanquan College of Xinxiang Medical University

PUBLICATIONS

- **Liu Z**, Hu Y, Qiu Z, et al. Cross-modal attention network for retinal disease classification based on multi-modal images[J]. Biomedical Optics Express, 2024, 15(6): 3699-3714.
- Jiang H, Gao M, **Liu Z**, et al. GlanceSeg: Real-time microaneurysm lesion segmentation with gaze-map-guided foundation model for early detection of diabetic retinopathy[J]. IEEE Journal of Biomedical and Health Informatics, 2024.
- Zhou D, Hu Y, Qiu, **Liu Z**, et al. Retinal layers changes in patients with age-related macular degeneration treated with intravitreal anti-VEGF agents[J]. BMC ophthalmology, 2023, 23(1): 451.

PROJECTS

- “Project Intelligent Therapeutic Massage Chair Design Based on Ultrasound Detection of Spinal Curvature supported by National Training Program of Innovation and Entrepreneurship for Undergraduates” (Project No.: 202013505002) (Project Leader) 2022

HONORS & AWARDS

- National Encouragement scholarship 2021
- Second Class of Academic Scholarship at WMU 2022
- Second Class of Academic Scholarship at WMU 2023
- Outstanding Graduates of Henan Province 2022
- Merit Student of Henan Province 2021
- Excellent Student Cadre of Henan Province 2020
- The 7th National Undergraduate Basic Medical Science Innovation and Experiment Design Forum
National Silver Award 2021
- National College Students' Intelligent Technology Application Competition
National First Prize (two awards) 2021

TECHNICAL SKILLS

- Coding: Python, C/C++, Java, Shell, SQL, HTML
- Tools: PyTorch, Tensorflow, Git, LATEX, Markdown, Vim