Huixing ZHU

College of Optical Science and Engineering, Zhejiang University, Hangzhou, China, 310027

Email: 22530052@zju.edu.cn | Tel: +86-18933504063 | GitHub | Lab

Education

09/2021 - 06/2025 College of Optical Science and Engineering(COSE), Zhejiang University, Hangzhou, China

Bachelor of Opto-Electronics Information Science and Engineering

GPA: 3.94/4.00

Awards: Zhejiang Provincial Government Scholarship (2021-2022)

Zhejiang University Second Class Scholarship (2021-2022, 2023-2024)

Innovation and Entrepreneurship Scholarship awarded by Daheng Optics (2022-2023)

Zhejiang University Third Class Scholarship (2022-2023)

First Prize in the 14th Chinese Mathematics Competitions (2022)

First Prize in Physics Innovation (Theory) Competition for College Students in Zhejiang Province, China (2022)

First Prize in The 23rd National College Student Robot Competition RoboMaster University Championship (RMUC) (Ranked 4th among over 100 teams, 2024)

Zhejiang University Outstanding Graduate (2025)

Research & Competition Experiences

7/2025 - 09/2025 Prof. Huan Wang's group, ENCODE LAB, Westlake University, China

Project: **Quantization on reasoning large language models**

- Applied mainstream quantization methods on reasoning LLMs.
- Built a universal comparison framework among LLMs based on purchasing power parity (PPP).

10/2024 - 05/2025 Prof. Kaiwei Wang's group, COSE, Zhejiang University, China

Project: **Research on lightweight Event-based gaze-tracking Algorithm**

- Explored the usage of mainstream event cameras and mastered the operation of related SDKs.
- Ran experiments on various mainstream eye tracking and gaze estimation algorithms.
- Optimized the existing event-driven eye-tracking methods based on lightweight neural networks.
- Learned fundamental knowledge in machine learning and computer vision.

10/2023 - 08/2024 College of Information Science & Electronic Engineering, Zhejiang University, China

Project: **Localization and tracking of wheel-legged robots based on multi-sensor fusion**

- Implemented data collection and stream processing on Livox lidar and industrial cameras.
- Conducted the procedure of dataset making, training and employment for yolov5 and yolov8 models.
- Learned the basic usage of inference acceleration libraries such as TensorRT.
- Improved current real-time fusion localization methods using RGB images and lidar point cloud.
- Cultivated engineering mindset and teamwork skills.

10/2022 - 06/2023 Prof. Dong Liu's group, COSE, Zhejiang University, China

Project: **Research on the spatiotemporal distribution characteristics of ice edge phytoplankton based on spaceborne LiDAR CALIOP**

- Implemented satellite data processing algorithm with MATLAB on data from CALIOP and Sentinel-2.
- Optimize existing methods for small-scale surface types classification.
- Received an excellent rating in the final defense.

Language Skills

12/2022 CET - 6 Written: 630 Oral: B

12/2021 CET - 4 Written: 625

Skills & Hobbies

- **Professional Skills:** Hands-on experiences in optical design, optics experiment, circuit and analog electronic technology experiment,

Machine vision and Image Processing.

- **Programming Languages:** C/C++, Python, MATLAB.
- **Machine Learning Tools:** Pytorch, , Sklearn, Pandas, Numpy.
- **Hobbies:** playing go, singing, playing badminton, watching movies.