Yue Chang

+86 18977312314 | 89253033@qq.com | cy.terase.cn | github.com/CYandYue

EDUCATION

Harbin Institute of Technology, Shenzhen, *Undergraduate in Automation* GPA: 3.533 / 4.0

Courses: Linear/Control Algebra | Automatic Control | Digital Image Process | Machine Vision | Digital/Analog Circuits

EXPERIENCE

Laboratory of University of Texas at Dallas, *Research Intern* Sep 2023 - Oct 2024

- Do research on LVLMs' hallucinations detection and mitigation.
- Produced a paper as the first author on hallucinations mitigation, and the paper was accepted by TMLR.

Shenzhen Ruoyu Technology Co., Ltd, *Algorithm Engineer (Intern)* July 2023 - Oct 2023

- Preprocess datasets and perform data enhancement using CLIP.
- Deploy and fine-tune MLLMs for practical projects.
- Deploy the YOLO-v8 model on the Huawei development board and run inference.

RoboMaster Competition Team, *Robotics Algorithm Engineer* Dec 2022 - Aug 2023

- Served as the leader of the sentry team and advanced to the RoboMaster national competition.
- Implemented the fully automatic algorithm of the sentry robot, including location, navigation, decision and automatic aiming.

SKILLS

Languages	Python, C/C++, Catkin, CMake, Qt, Matlab, Git, Bash, LaTeX, Vim
Robotics	ROS 1/2, Gazebo, Arduino, Sensor Fusion
Deep Learning	Huggingface, Pytorch, Scikit-learn, Spacy
Software	Manjaro, Linux, Docker, Conda, Matlab, OpenCV, Solidworks, CAD, Pspice

PROJECTS

Sentry of RoboMaster Competition | Robotics Algorithm Engineer Dec 2022 - Aug 2023

- Served as the leader of the sentry team and is responsible for the algorithm part of the fully automatic robot.
- Implemented SLAM and sensor fusion (LIO), built front/back-end odometry and loop detection for navigation.
- Implement decision algorithms for fully automatic robots through state machines / decision trees.

TMLR Paper – *A Unified Hallucination Mitigation Framework for Large Vision-Language Models (Published)* Sep 2023 - Oct 2024

- Distributed a unified hallucination mitigation framework for Large Vision-Language Models.
- Completed most of the work as first author, including idea generation, code implementation, and paper writing.

Crane robot of Technology Creativity Competition | Robotics Vision Engineer Mar 2023 - Aug 2023

- Build lightweight FCNN to achieve rapid objection recognition.
- Monocular camera PnP distance measurement and coordinate transformation.

AWARDS

National Award

National First Prize in the Infantry Category of Robomaster Super Competition	2023
National Second Prize in the Robomaster Super Team Competition	2023
National Second Prize in the "Mineral Cup" Logistics Technology Creativity Competition	2023
National Second Prize in the 25th China Robot and Artificial Intelligence Competition	2023
National Third prize in BOTEC 2022 international intelligent Robot Technical Challenge	2022
National Third Prize in the Sentinel category of the Robomaster Super Competition	2023

Provincial Award

Provincial First Prize in Robomaster Super Divisional Team Competition	2023
Provincial First Prize in Sentinel category of Robomaster College League Competition	2023

Scholarship

Third-class Undergraduate Academic Scholarship	2022