Yeke Chen

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Education

Zhejiang University **Hangzhou,China**

Bachelors of Automation *2020 - Present*

- **overall GPA:** 3.94/4.00, 89.8/100
- **ranking:** 3/58
- **Selected Coursework:** Lectures on Programming 98,Foundamentals of C Programming 95, Robot Modeling and Control 92, Air-robots 92, Comprehensive Practice of Robot and Intelligent System 97
- **Scholarships:** two Zhejiang provincial government scholarships; two second-class scholarships

Experience

ZJUNlict(a RoboCup SSL team) **Zhejiang University**

Team member *6/2022-6/2023*

- Developed the parallel multi-vehicle-ball-passing-point calculating module based on OpenAcc
- Refined the zero and non-zero speed ball interception modules
- Regularized the passing strength

the State Key Laboratory of Industrial Control and Technology - Robotics Lab **Zhejiang University**

Research intern advised by Professor Rong Xiong and Professor Yue Wang *7/2023-Present*

- Learnt the foothold planning algorithm for quadruped robots based on elevation map
- Proposed a learning-based method for foothold planning

Personal Projects

Continuous Trajectory Generation for Autonomous Driving **5/2022-5/2023**

- Participated in datasets making and neural networks training

Supermarket Shopping Robot - LINK **12/2021-5/2022**

- Designed the robot from scratch and implemented functions such as object detection, multi-device communication, object grasping, and line-following

(course project)Path Planning and Tracking - LINK **7/2023**

- Realized RRT*, A* and JPS path planning methods; realized DWA and simple trajectory tracking methods

(course project)Space Robot - LINK **7/2023**

- Completed the inverse kinematics code of the space robot and the trajectory planning code of joint space based on polynomial interpolation

Selected Awards

Zhejiang Robot Competition-First Prize 5/2023

China Robot Competition/Robocup China (SSL) -Third Place 11/2022

Zhejiang Robot Competition-Second Prize 8/2022

Zhejiang University Robot Competition-First Prize 5/2022&5/2021

Technical Skills

Python/C/C++/MATLAB/ROS/Pytorch/SolidWorks/OpenCV/CUDA C