Yeke Chen

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Education

Zhejiang University **Hangzhou,China**

Bachelors of Automation(overall GPA:3.94/4.00, 89.8/100, ranking:3/58) *2020 - Present*

- **Selected Coursework:** Lectures on Programming 98,Foundamentals of C Programming 95, Engineering Graphics 96, Calculus 95, Linear Algebra 92, Probability and Mathematical Statistics 96, Signal Analysis and Processing 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(Zhejiang University) **Hangzhou,China**

RoboCup SSL 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

ZJU-Robotics-Lab advised by Yue Wang and Rong Xiong (Zhejiang University) **Hangzhou,China**

Research Intern *7/2023-Present*

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

Personal Projects

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

- Participated in datasets making and 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 path planning of RRT*, A* and JPS; realized DWA and ordinary trajectory tracking

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

- completed the inverse kinematics code of 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

Languages: CET-6:579
Developer Tools: Python;C;C++;MATLAB
Technologies/Frameworks: Pytorch;ROS