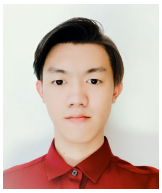

陈泽明

19860205683 201930130250@mail.scut.edu.cn
Tianhe district, guangzhou city, guangdong province
2000-10 Male Member of the Communist Party of China

Educational background

South China University of Technology 2019.09 - 2023.06

Electrical engineering and its automation Bachelor Electric Power College Tianhe District, Guangzhou City

GPA:3.53 / 4.00 IELTS:6.0

major Courses: Power System Analysis, Electrical Engineering, Power Electronics Technology, Analog Circuit Technology, Digital Circuit Technology, Automatic Control Principle, Single Chip Microcomputer Design Technology

HONORS & AWARDS

The 20th national college student robot competition RoboMaster2021 mecha master competition national first prize (national level) 2021.8

The 20th national college student robot competition RoboMaster2021 mecha master competition regional competition first prize (provincial level) 2021.8

The 20th national college student robot competition RoboMaster2021 mecha master party competition regional competition engineering mining project second prize (provincial level) 2021.8

The 20th national college student robot competition RoboMaster2021 mecha master 3V3 university league competition second prize (provincial level) 2021.3

"Saiyuan Cup" Intelligent Technology Competition Senior Group Second Prize (School Level) 2021.12

GAC Honda Cup "2 1st Mechanical Structure Design Competition Challenge Group Third Prize (School Level) 2021.11

South China University of Technology 14th University Student Energy Saving and Emission Reduction Social Practice and Science and Technology Competition Winner Award (School Level) 2020.08

The National College Student Mathematical Modeling Competition Winner Award (School Level) 2020.2

South China University of Technology 2019-2020 third-class scholarship (school level) 2019.11

Competition experience

"Saiyuan Cup" intelligent technology competition

Hardware Construction and Testing
of IOT Touch Roller Slider Intelligent Regulation Development Board Based on Saiyuan SC95F Chip Construction of Touch Roller Slider and LED Dot Matrix Code Framework
Based on Graffiti Intelligent WiFi Module Test Communication Protocol, Mobile Phone APP is Developed to Realize Communication with Development Board

The 14th social practice and science and technology competition of energy conservation and emission reduction for college students in south china university of technology

- Automatic Garbage Picking Robot Based on Embedded System and Machine Vision

- As the team leader, he is responsible for the overall plan formulation and electronic control part of the code and debugging

.

South China University of Technology Robotics Laboratory and South China Tiger Team

- Based on CAN, serial port and other communication protocols, the cascade control system is used to realize the movement of the upper mechanism of the engineering robot.
- Design of Electronic Control Components and Line Connection Scheme for Engineering Robot
- Responsible for laboratory SRML intermediate library industrial CANopen maintenance

The 19th mechanical structure design competition of south china university of technology

- As the team leader, he was responsible for the team plan formulation and model design

.

- Carry out embedded programming to realize the basic movement of the smart car, and realize the wireless communication between the smart car and the mobile phone based on Bluetooth module

PROJECT EXPERIENCE

Student Research Program for 2020 SRP-Bionic Mechanical Fish Based on Fish Swarm Algorithm

- As the overall project leader, he is responsible for personnel scheduling, task assignment and overall project positioning design

.

- Responsible for embedded software development and hardware topology design
- Based on FreeRTOS Real-time Operating System to Realize Basic Movement of Mechanical Fish in Water

DJI DJI Student R & D Project-Somatosensory Interactive Blade Wall

- As the main person in charge of embedded system
- Responsible for blade wall hardware topology design and wiring scheme
- Responsible for the design of blade wall embedded bottom drive system

Independent research and development project-bionic mechanical elephant nose climbing robot based on line pull technology

- As the team leader, responsible for plan determination, personnel allocation, schedule arrangement
- Responsible for hardware topology design and embedded software development
- Mechanical Analysis and Modeling of Object Nose Motion State

PROFESSIONAL EXPERIENCE

Botai Robot (Shunde District, Foshan) Technology Co., Ltd 2021.01 - 2021.03

Software design intern Foshan

- Responsible for service robot embedded hardware driver system design
- Responsible for determining the hardware routing scheme of the service robot

SKILLS LIST

- Language ability: CET-4, IELTS

- Programming ability: familiar with c/c and python programming languages
- Technical tools: familiar with VsCode, Keil, CubeMX, and GitHub
- Related knowledge: familiar with Freertos, STM32 microcontroller, UART communication, CAN protocol, PID algorithm, etc