After I entered high school, I learned about the Pepper robot.

Pepper can not only interact with a variety of smart home appliances and smart devices, but also enhance the human-computer interaction experience of smart home with its unique initiative and emotional interaction.

For example, in the smart bathroom, the robot can connect with the water heater to prepare hot water in advance; In the smart living room, it can detect the temperature, humidity and air quality of the home, and help the host open the home mode;In the smart bedroom, you can turn on the air conditioner according to the air condition at home; In the smart kitchen, it can "link" the oven and range hood to help you make a big dinner…

It can be seen that through the integration with smart home, the Pepper robot will break the "fault" interaction between traditional single information and scene, realize the connection between scene and scene, scene and space, and bring users one-stop full scene life.

These magical functions make me very eager to participate in the Pepper robot competition.

For this reason, I joined the school robot club and got some like-minded friends.

In this Pepper robot competition, I am responsible for task 2.

Half a month ago, I was still a novice, in order to complete task two, I learned about Pepper with the help of the proprieter, and benefited a lot.

In the task, we need to make the robot move in front of the guests.

This task seems simple, but it also takes us a lot of time.

First of all, there are many instruction boxes about robot movement.

After our screening, there are two instruction boxes suitable for our task.

Secondly, in the actual operation, we find that the movement controlled by the "move to" command box is not accurate, and sometimes there are errors.

In order to solve this problem, we replaced the "move alone" command box . After exploring, I finally completed the task and passed the debugging.

In the task, we also need to recognize the face, get the guest's name, age and gender, and feedback to us.

I am very confused about how to feed back this information.

Under the guidance of the proprieter, I learned about the function, which is a convenient tool.

Now I can store this information in the function and extract it when necessary.

But there is also a problem, how to make the robot say a whole sentence？

The proprieter taught me to modify the python code of the instruction box so that it can say a whole sentence.

In addition, I also taught myself to let the robot talk with action, so that it can become more vivid and inflexible.

In the later optimization, our team leader also taught us how to add API.

We have successfully completed this task under the guidance of our teachers.

We have been able to provide the guests with local weather and tell them jokes.

With the help of the proprieter, we will display the feedback information of the robot.

But at the beginning, the display of the web page was very unstable, we debugged for a long time, and finally completed the project.

The completion of this project has greatly increased the innovation of our works, and also greatly encouraged us to continue to complete the task.

In fact, the biggest difficulty in this competition is not programming, but our patience.

In debugging again and again, it's hard for me to say that I'm not bored, and I've thought about giving up.

But thanks to the support of my proprieter and friends, I passed through the difficulties successfully and finally completed the task.

In this Pepper robot competition, I not only learned how to write robot instructions, but also gained valuable friendship.

I believe that I can become better and keep going on the way of Pepper programming.

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