

Training MiRo To Help People



MiRo may look like a cute little Robot dog, but he is more than that. Just like a real dog, MiRo can be trained to perform tasks that help people.

There are guide dogs that help people who are blind, companion dogs to help cheer people up and even dogs that will carry objects where they are needed.

Your mission in this challenge is to train MiRo to perform a function in the real world that will help people.

What the environment is, what the person's problem is and what MiRo does to help them is up to you. You design the situation and you train MiRo to solve it by writing the code.

Examples of the environment and who MiRo is helping could be:

- In a hospital, Miro could help a patient or a Doctor/Nurse
- In a home, Miro could help a baby or a pet
- In school, Miro could help a teacher or a student
- In a shop or store, Miro could help a customer or a clerk

You are NOT limited to these ideas. You can even think up your own situation in any location and have MiRo help out.



Not sure where to begin? How about asking a neighbor, family member or friend for a challenge, situation, or problem that they have faced and think about how Miro can be part of the solution.

Possible situations you could teach MiRo to handle:

- In a shop or store, a customer needs assistance
- In a home, a pet is misbehaving
- In a hospital, a patient needs help
- In a school, a teacher needs to leave her class alone in the room for a few minutes

How could MiRo find out there was a problem?

- Body touched
- Head touched
- Clap
- Vision
- Cliff sensor
- What else?

What could MiRo use to solve the problem?

- Tones
- Lights
- Moving entire body
- Moving ears
- Moving tail
- Moving head
- Blinking eyes
- What else?

You can set up your own world and put whatever you want within it to be part of the situation and the problem that you are training MiRo to solve. How MiRo learns about the problem and what MiRo does after this is totally up to you.

What you teach MiRo to do to help will be judged on the problem and how well MiRo solves it based on:

- **Originality**
- **Excitement**
- **Effectiveness**
- **Efficiency**

MiRo-E 
Evolved for Education

