

ROPE Team

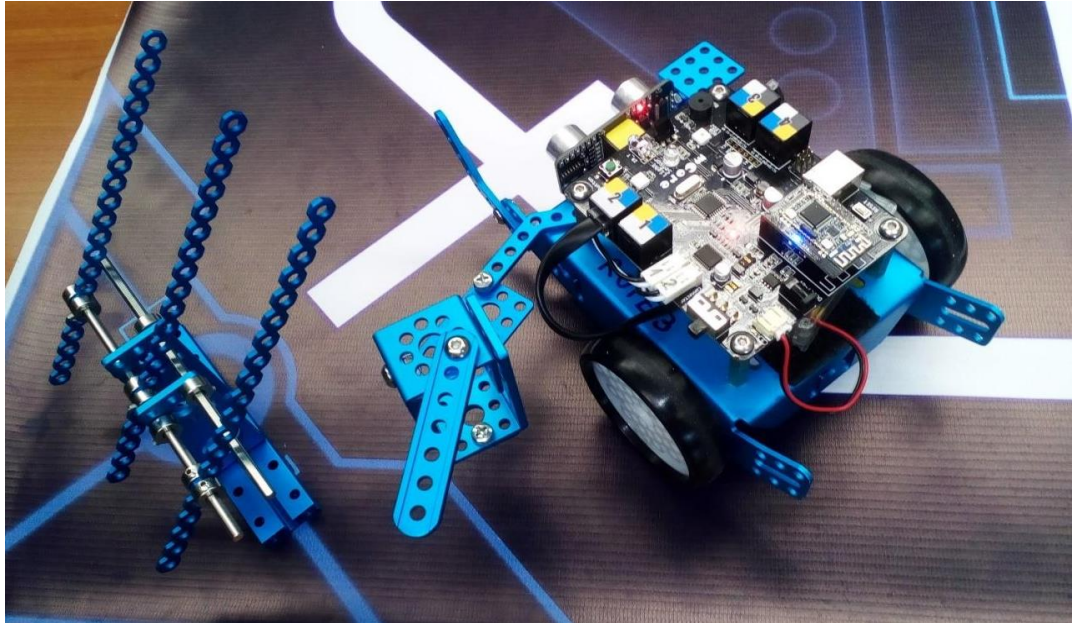
Leon & Marko



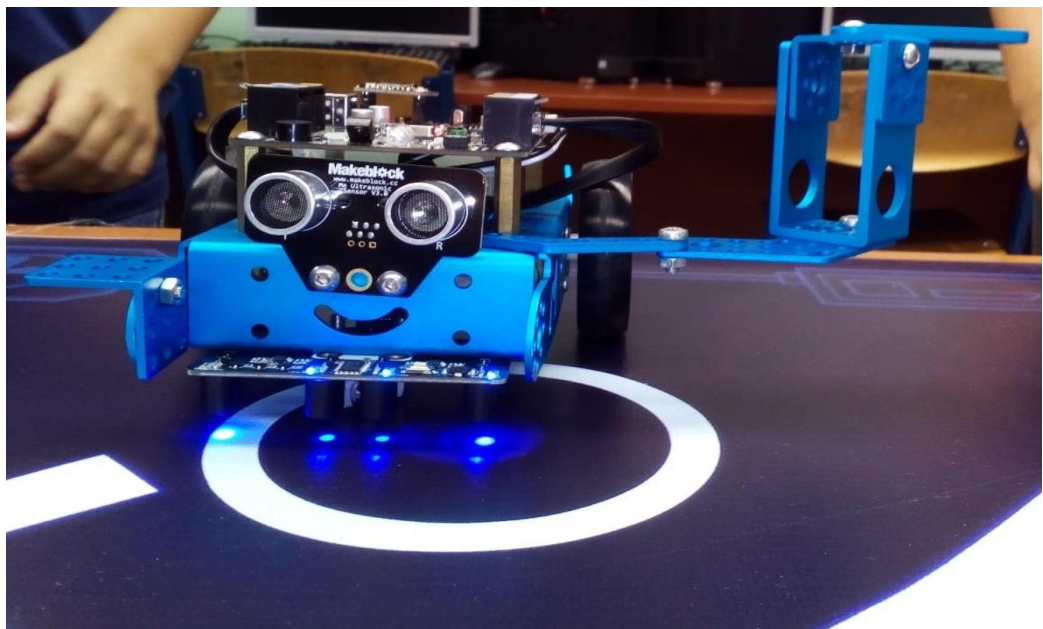
My name is Leon Bevanda. I was born on July 14th, 2009 and am attending "Julije Klović" elementary school in Zagreb. I have been learning about Robotics for a month now. My role in the team was to write the program for the robot to act by.

```
when mBot(mcore) starts up
  initialize RGB line follower 1 : at port3
  RGB line follower 1 : (default line following) set turning sensitivity to 1
  wait until when on-board button pressed ?
  forever
    DC motor motor port2 clockwise rotates at power 30 - RGB line follower 1 : (default line following) motor differential speed
    DC motor motor port1 anticlockwise rotates at power 30 + RGB line follower 1 : (default line following) motor differential speed
    wait 3 seconds
```

My name is Marko Lozić. I was born on April 12th, 2009 and am attending "Julije Klović" elementary school in Zagreb. I have been learning about the Robotics for a month now. My task was to build an electric engine by putting together the construction and adding some parts to the Mbot. The tools I used to do that included a screwdriver and a spanner.

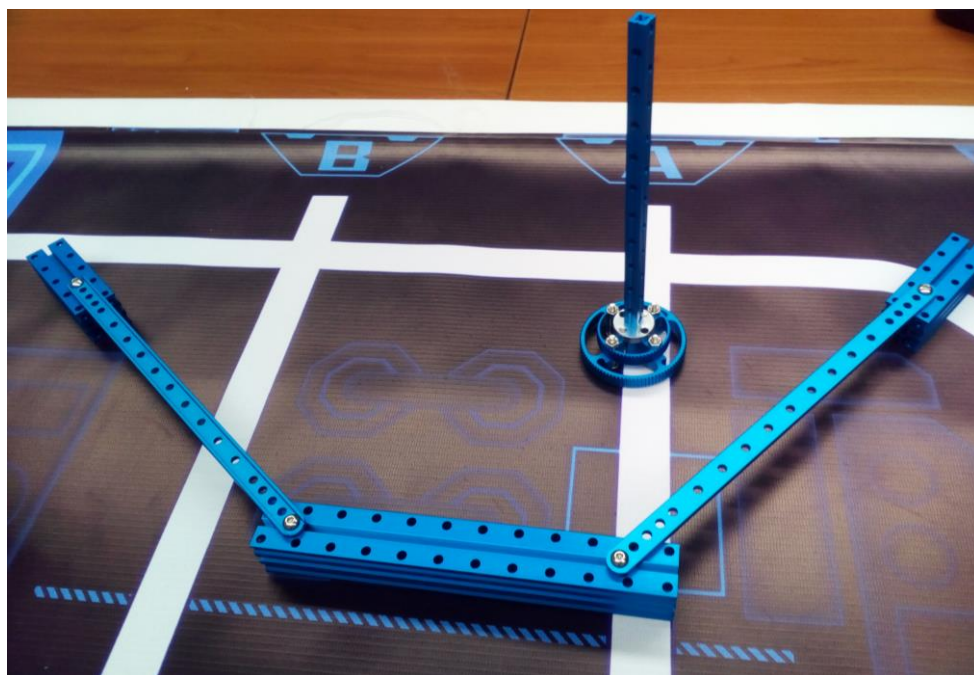


Robotics is very fun and we are so happy to be playing and learning with Mbot about MakeX Competition.



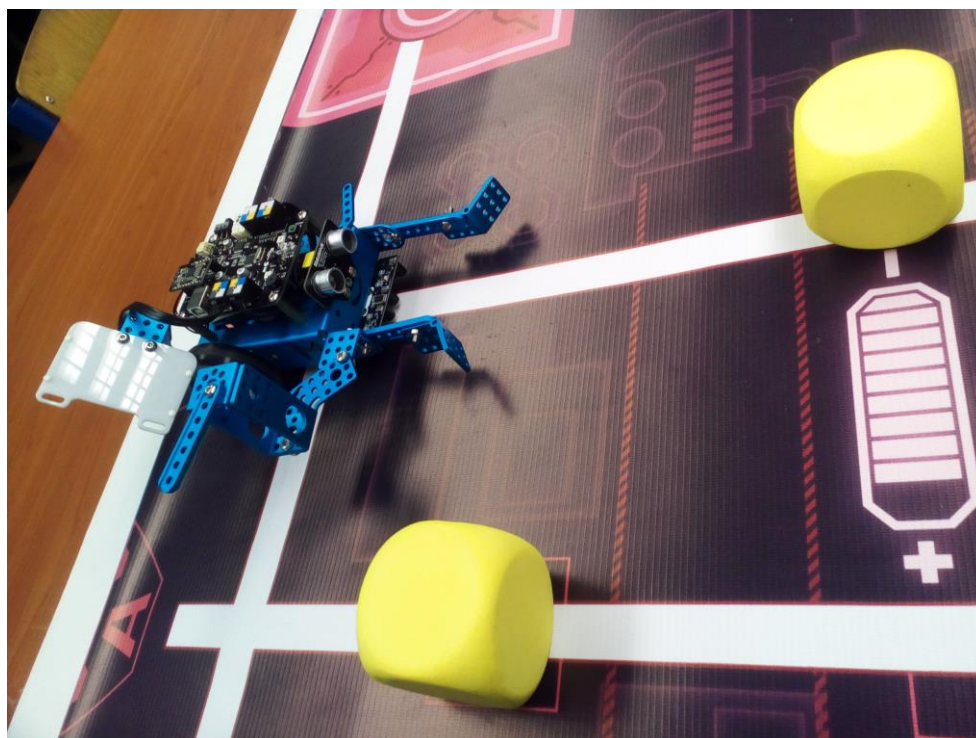
Leon's story

Programming the Mbot to do task 1 was the biggest challenge for me, while making it follow the line was the easiest part. The most exciting thing for me was when my friend and I prepared our Mbot for the first round of the Mbot league. I feel like I've learned quite a lot so far. Can't wait for the competition to start!



Marko's story

My biggest challenge was to build an obstacle for the second task, while the easiest one was to put the LED matrix screen on the Mbot. I had the most fun playing with joystick. I worked hard and think to have done a great job. Can't wait to get to China and compete!



Mentor: *Petar Dobrić, prof.*