

A decorative graphic on the left side of the slide, consisting of a network of thin, light-blue lines and small circles, resembling a circuit board or a neural network diagram. The lines are vertical and horizontal, with some diagonal connections, and the circles are placed at various points along these lines.

# THE WANDERER

ROBOT SIMULATION OF ANIMAL LOCOMOTION

Designed by Razvan-Horia Pop

# CONTENT

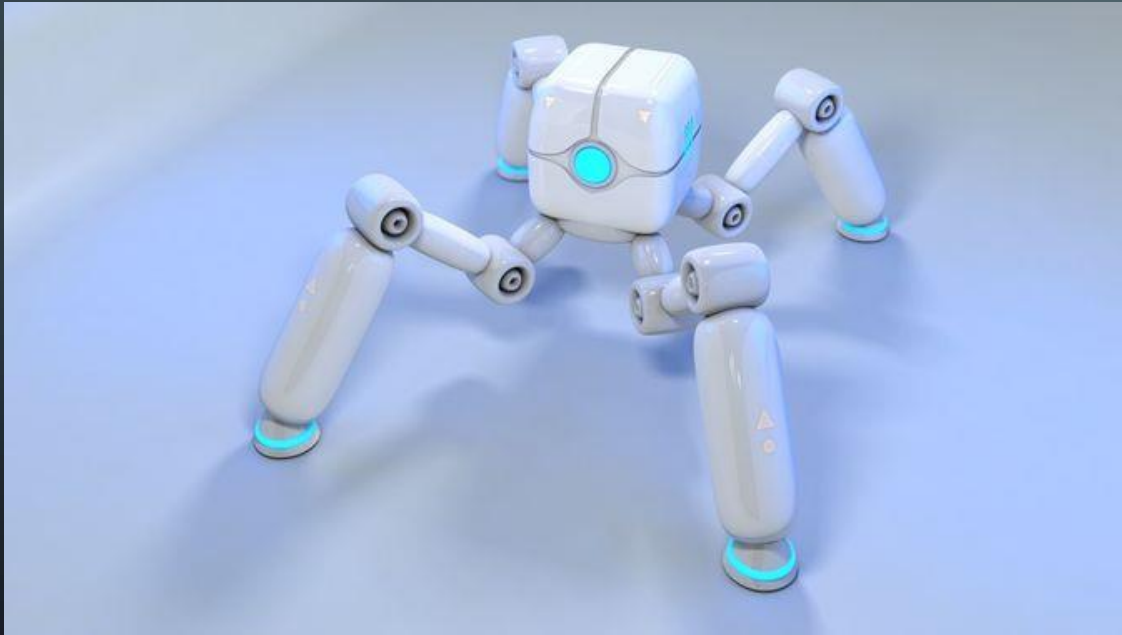
- Inspiration and purpose
- Design
- Hardware
- Technologies

Coordinating Teachers

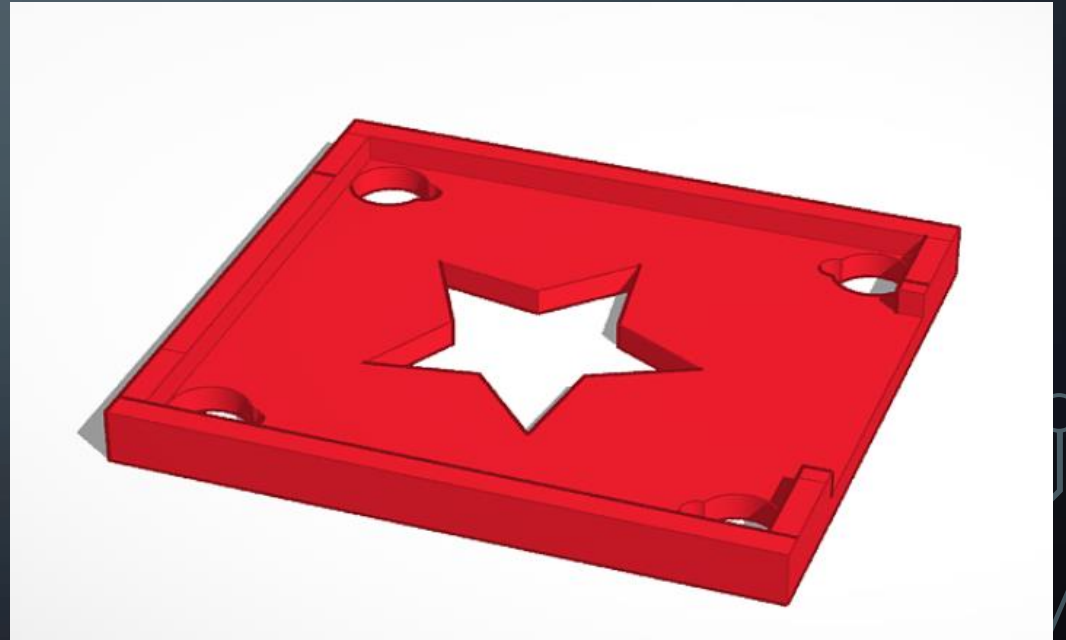
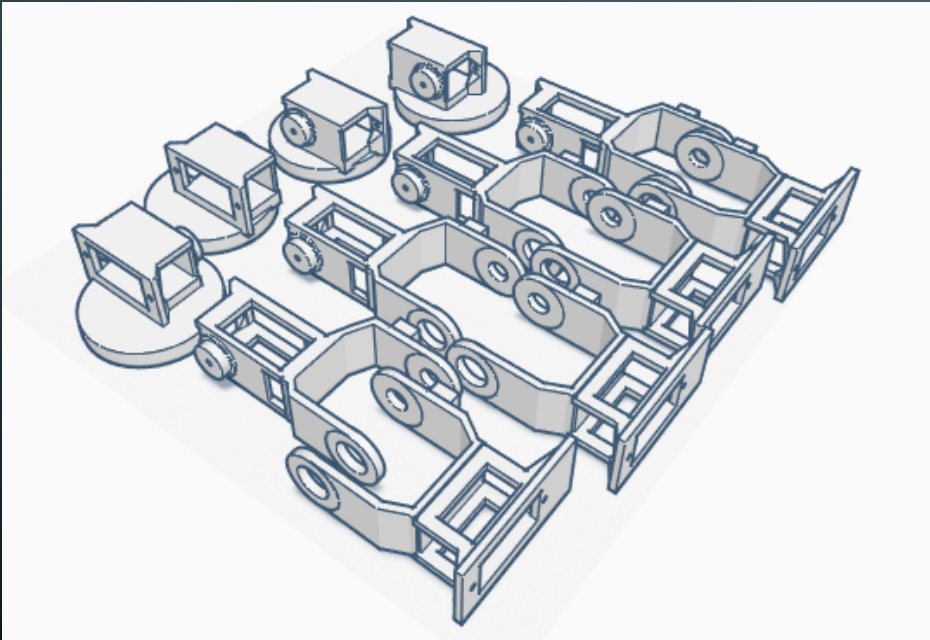
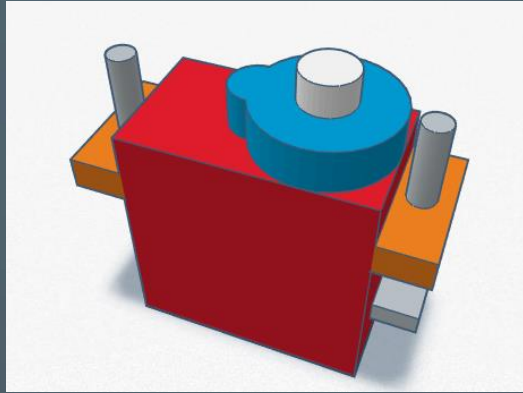
Bardezi Andrei, Octavia  
Ivona



# THE IDEA OF A FOUR LEGGED ROBOT

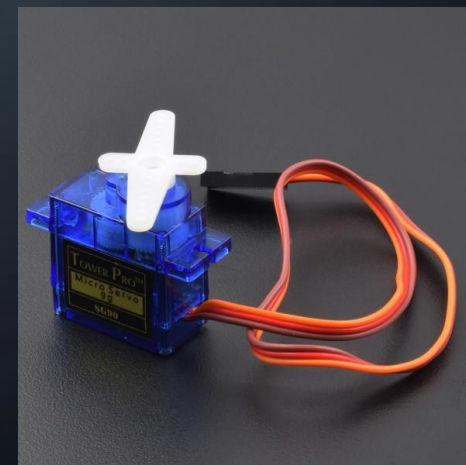
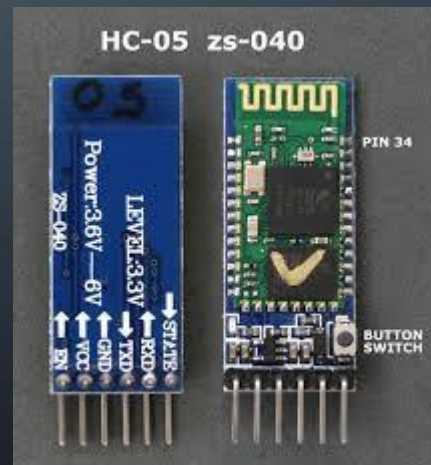
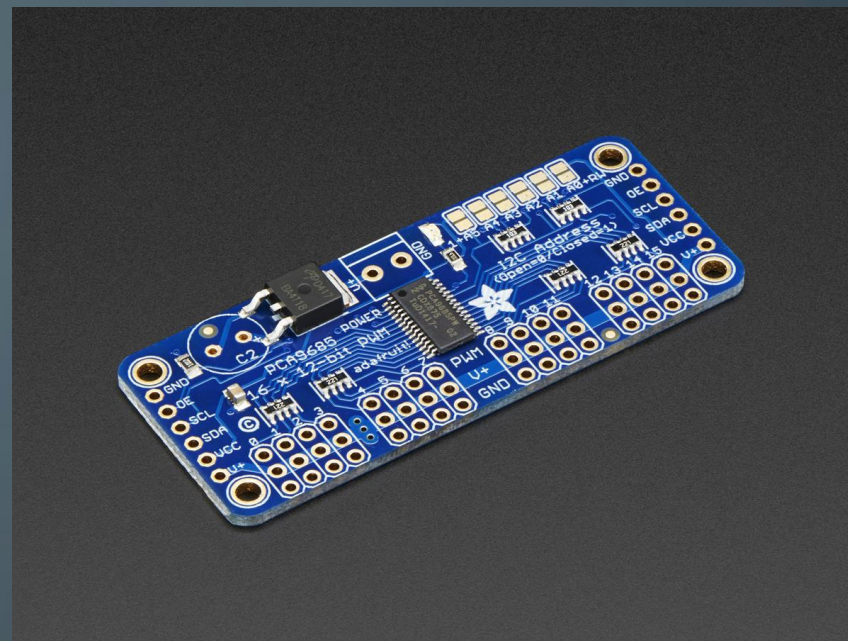
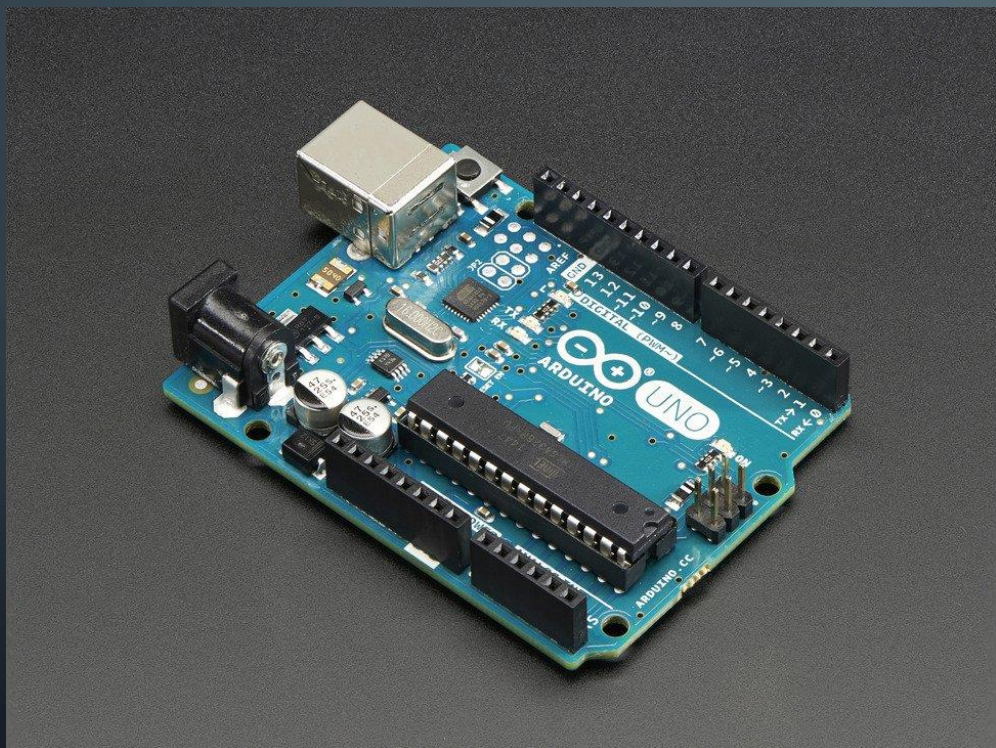


# THE DESIGN




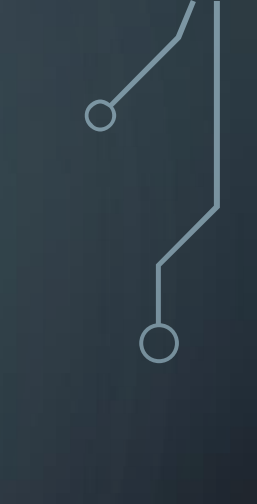
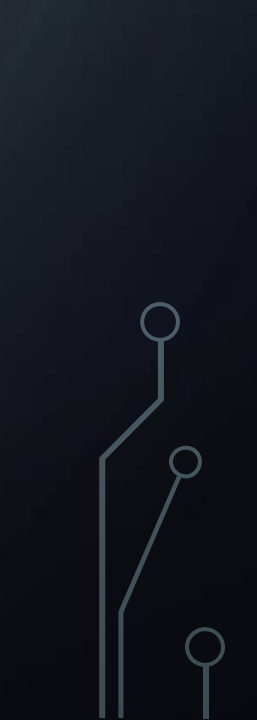


# THE HARDWARE





# TECHNOLOGIES USED

- Arduino IDE
  - Adafruit PWM Driver Controller
  - Arduino Bluetooth remote Controller
- 
- 
- 



# FURTHER IMPROVEMENTS

- Lighter body
  - Better traction
  - Suspension
  - Self teaching locomotion based on machine learning
- 
- 
- 

# SPECIAL THANKS

- Bucharest Univetsity
- My Teachers: Andrei Bardezi, Octavia Ivona
- Stafie Ciprian Mihai
- Friends and family