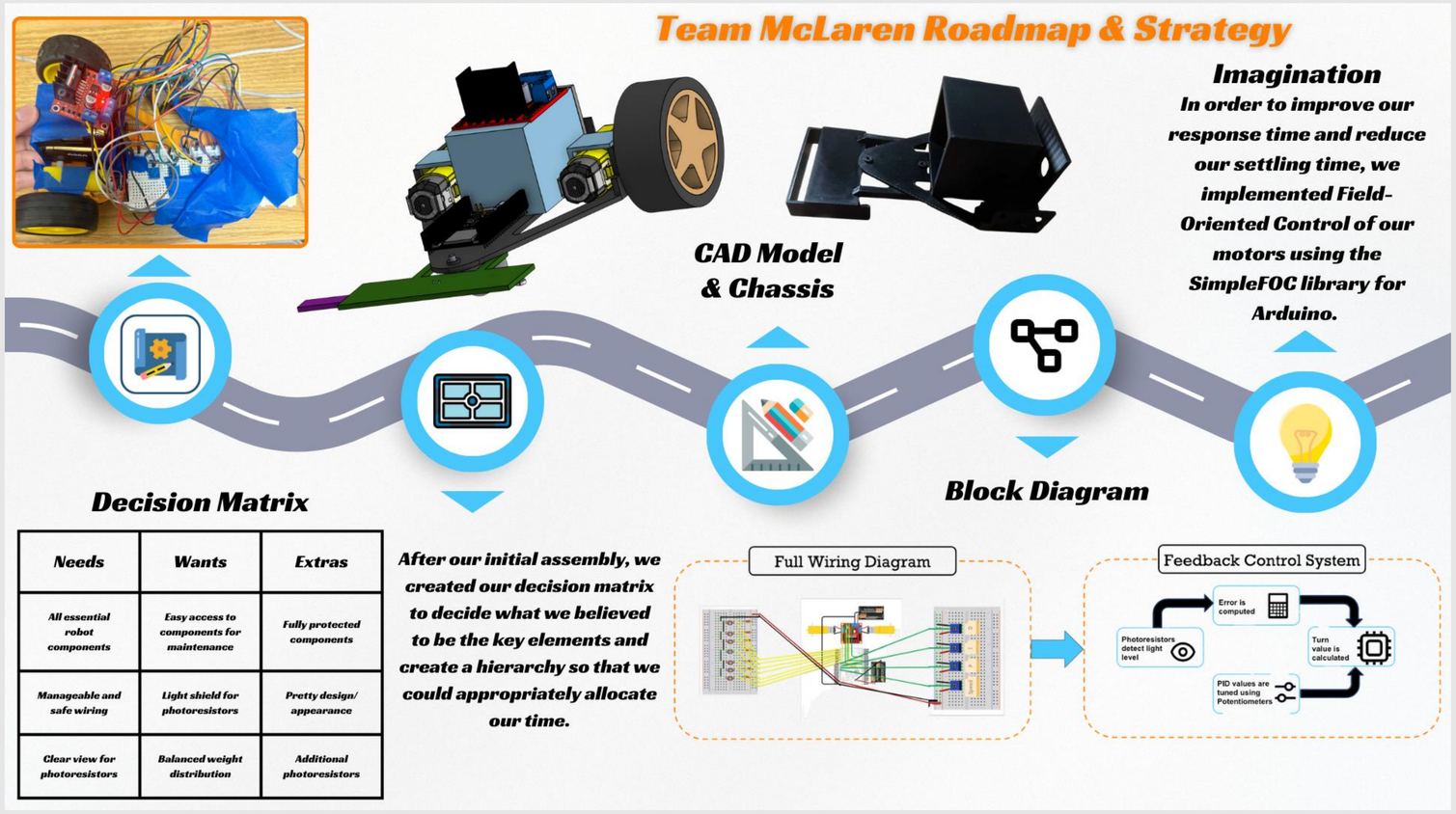
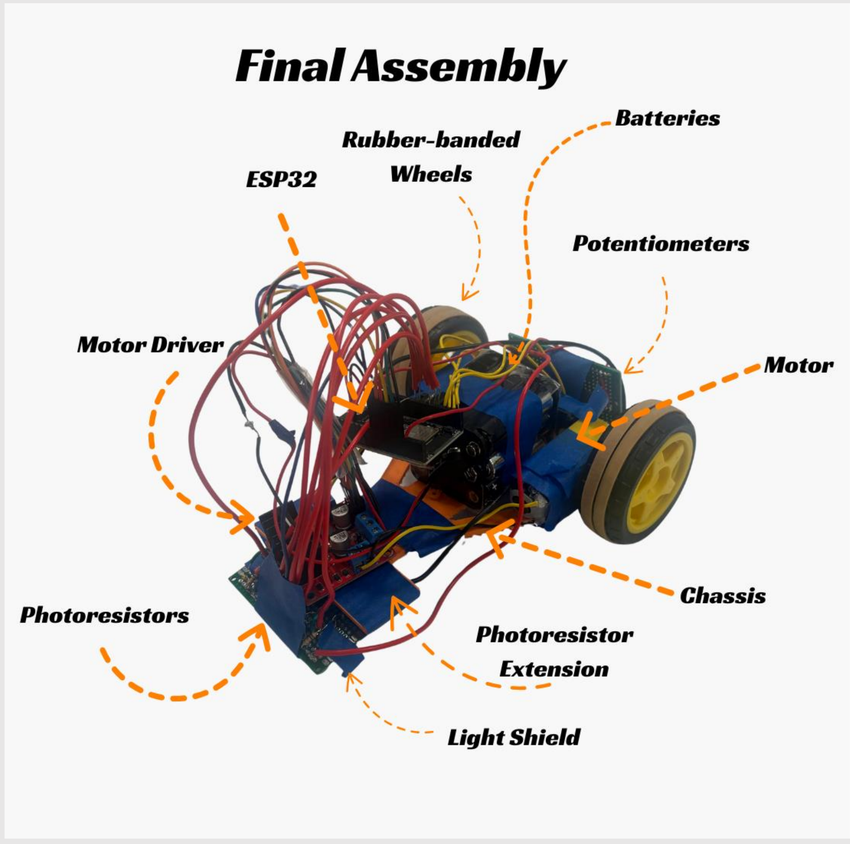
Line Following Robot

ECE 5, FA 25

Principal Engineers: Arjun Caputo, Hieu Le, Carlos Briones, Brian Martinez

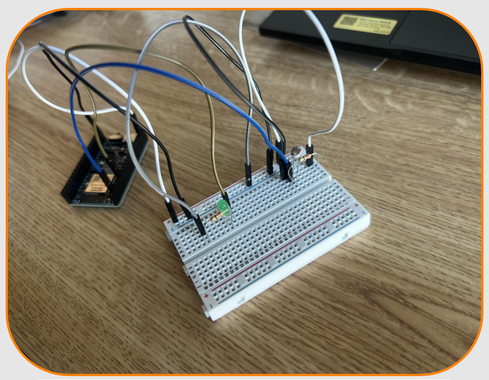
Lab 4 – Robots & Control





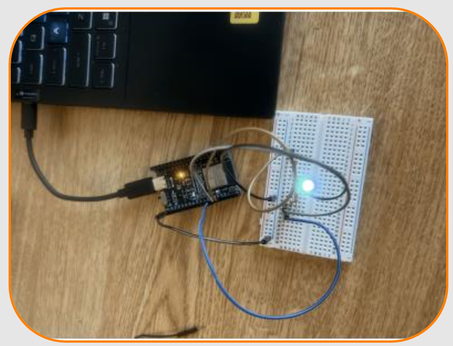
Previous Labs

Microcontrollers



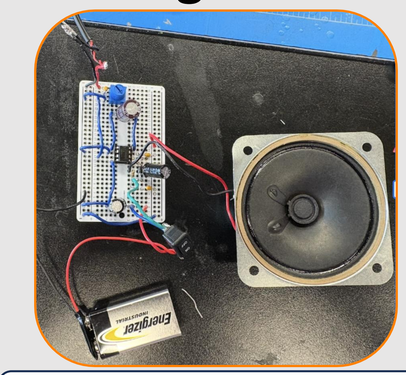
Learning how to interface with the ESP32, using its internal features and external circuits

Communication



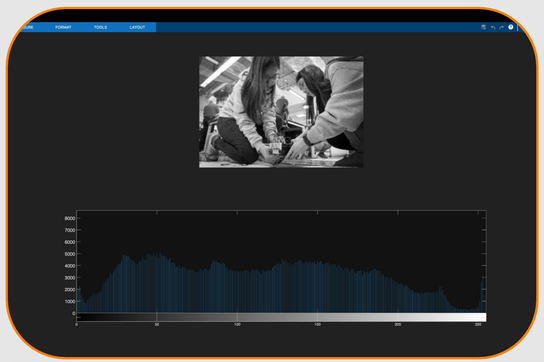
Understanding how to send and receive messages with the ESP32

Analog Circuits



Learning how to assemble, debug, solder, and verify circuits using tools, such as the oscilloscope and multimeter

Digital Signal Processing



Discovering how to analyze and interpret digital signals using MATLAB