

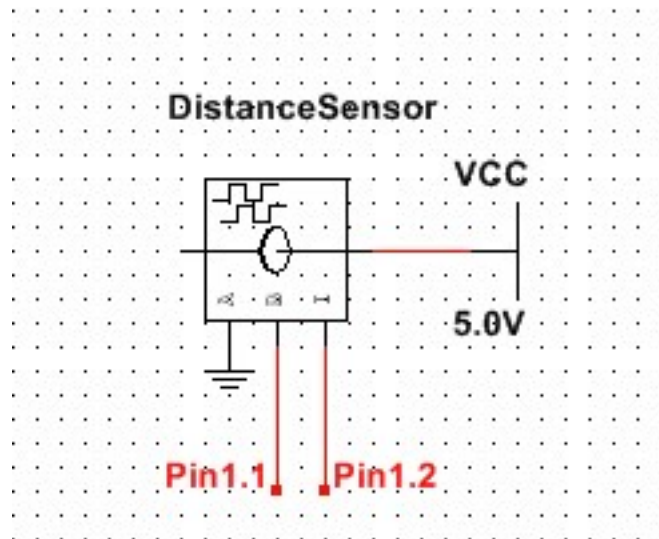
EE 40 Final Hack Proposal

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Overview

Replace Launchpad microcontroller by an Intel Galileo development board, with a WiFi card to allow remote control of the robot from a webpage. Modify motor power circuits, adding ultrasonic distance sensors for collision avoidance.

Hardware Schematic



Additional components	
Intel Galileo	Free (received from Intel makethon event)
SunFounder HC-SR04 Ultrasonic Module (x2)	\$9 (from Amazon)
66mm robot wheel (x2)	\$4 each (from Amazon)

Software Flowchart

