Python Junkbot - PyCon UK 2016

Junkbots (http://junkbots.blogspot.co.uk/) are based around using materials such as drink's cans, broken propellers and motors to produce something that moves by vibration.

The following were programmed in either Python (Raspberry Pi) and micropython (Micro:Bit).

Raspberry Pi Junkbot

Based Junkbot design is to use the combination of Python and Pimoroni's Explorer HAT Pro to control it

http://bit.ly/2c87qex

Micro:Bit Junkbot

Kitronik produce a motor driver board, and provide quite a bit of support for it, for the Micro:Bit (the latest version of the board can be found at https://www.kitronik.co.uk/5620-motor-driver-board-for-the-bbc-microbit-v2.html). A 6v battery pack is connected (see on the left of the image) and wires going to a motor are attached to the first block on the front left (marked as motor A).

Basic build: http://bit.ly/2cmJo0B

Radio Control Junkbot: http://bit.ly/2cMHpDa