



{codemotion}
MADRID · NOV 27-28 · 2015

«Gente que hace cosas con cacharros»

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José Juan Sánchez



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@MiguelAngel_LV



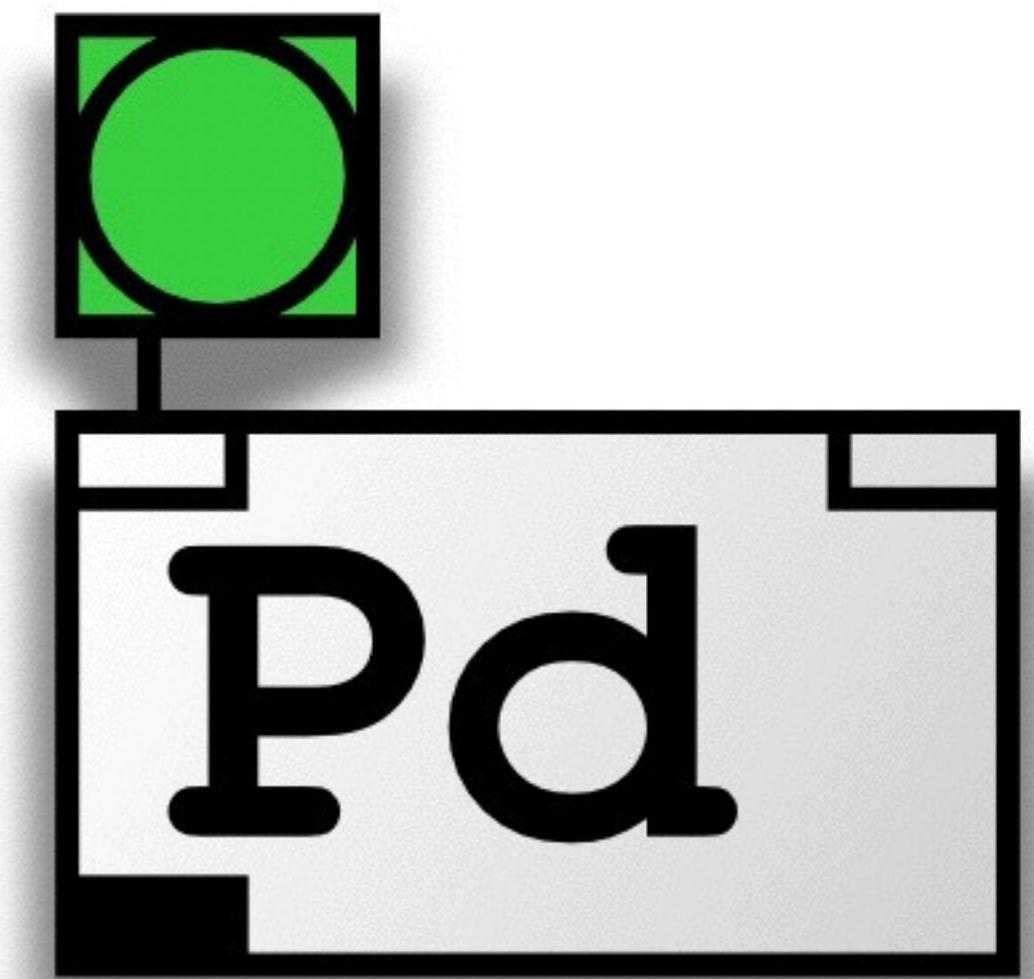
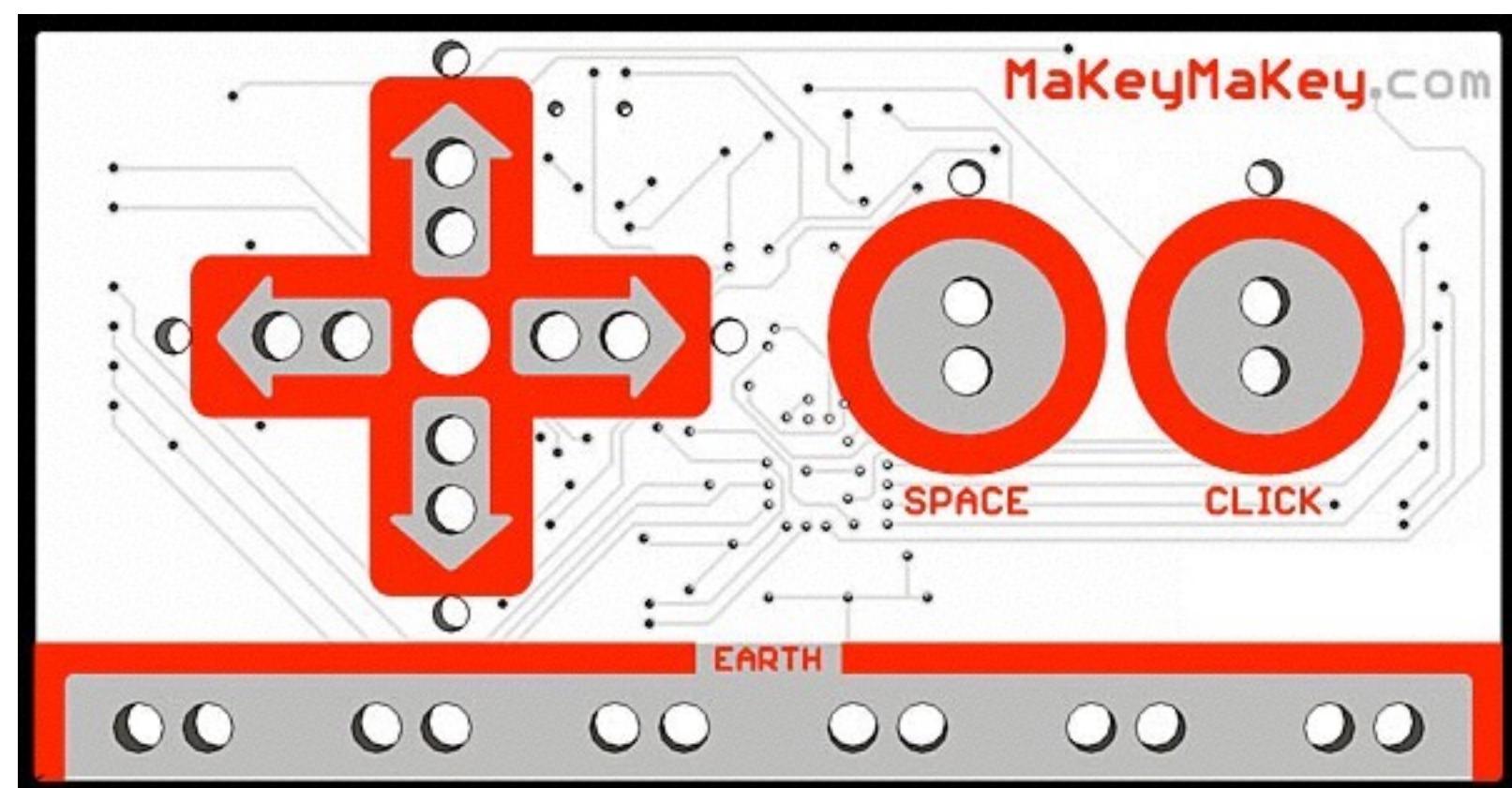
José Juan Sánchez

@josejuansanchez



#GenteQueHaceCosas

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HACKLAB_ALMERÍA



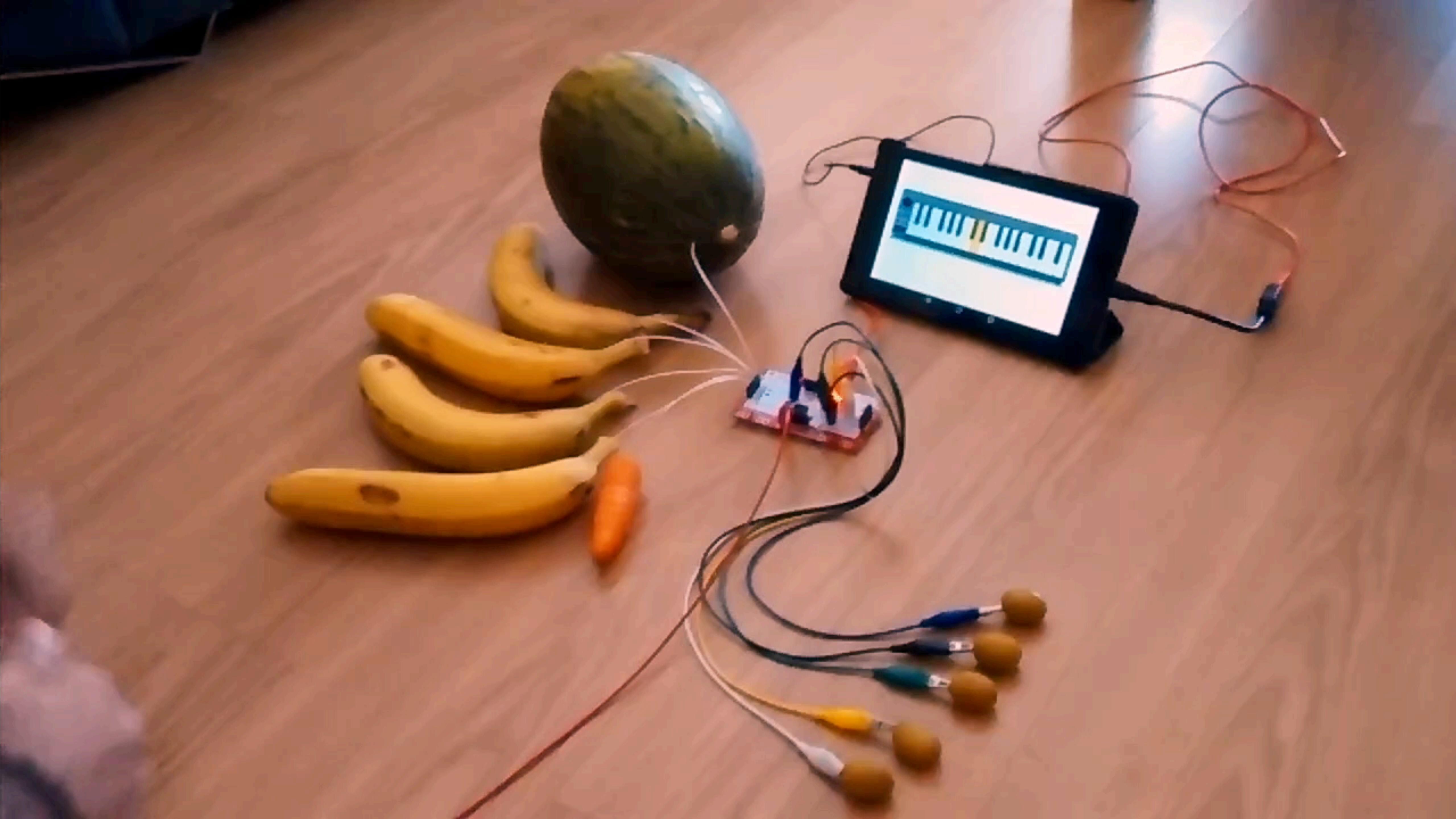
Makey Makey + Protocoder

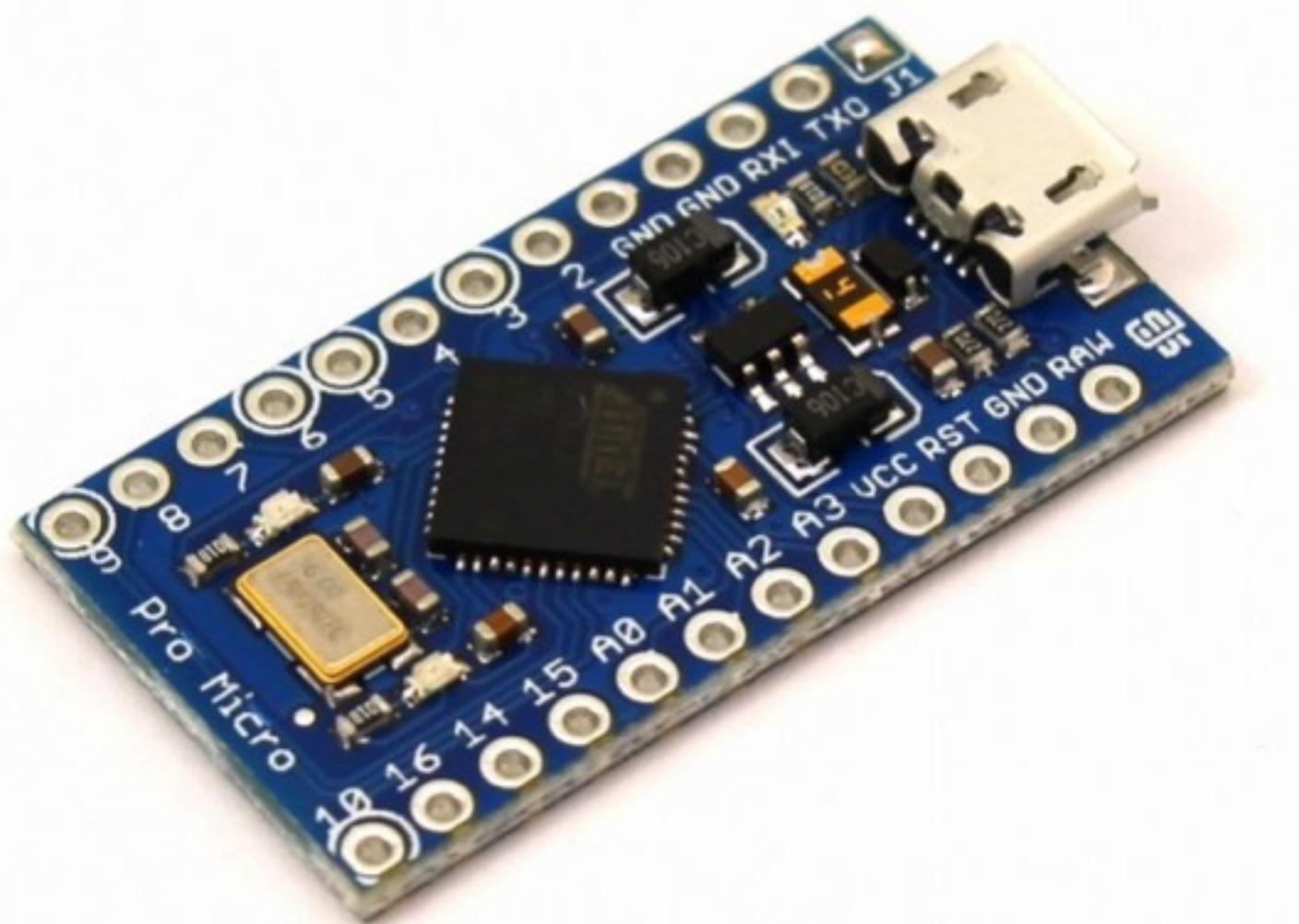
Experimento con **Makey Makey** y **Protocoder** para crear un instrumento musical.

- Tecnologías utilizadas:
 - **Android**
 - **Protocoder**
 - **Pure Data**
 - **Makey Makey**
 - **Plátanos, Melón, Zanahoria y Aceitunas**

Fecha: Julio 2014.

Source code: <https://github.com/josejuansanchez/protocoder-projects>





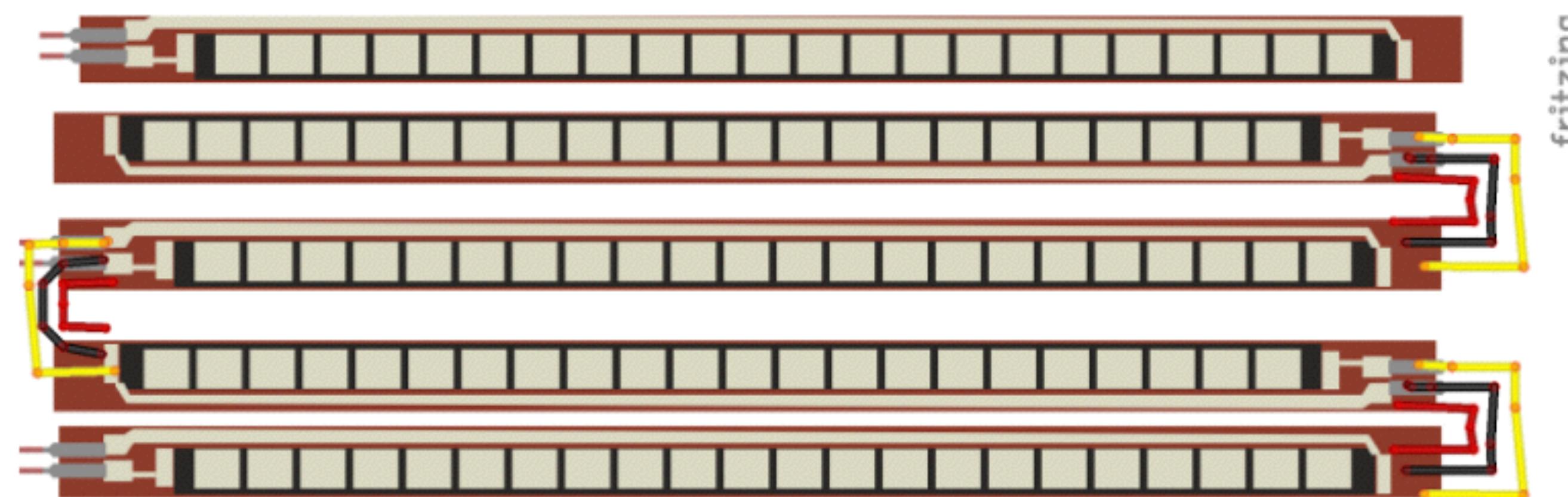


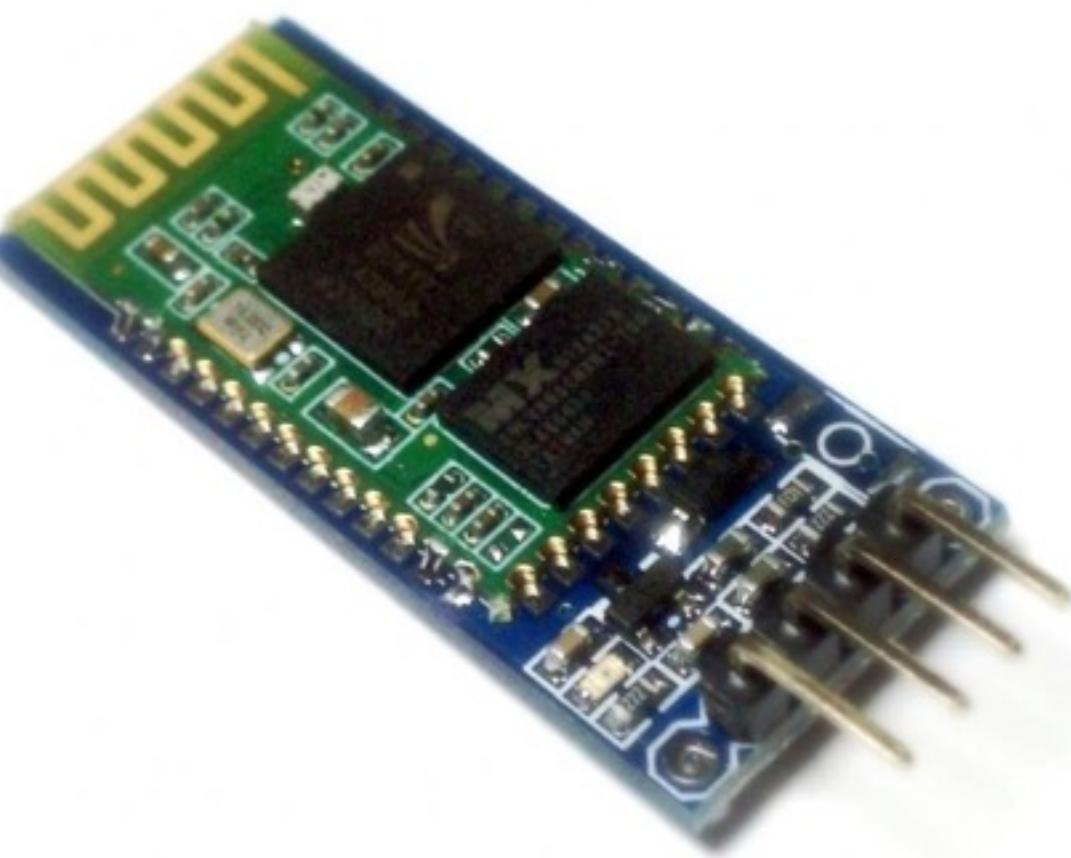
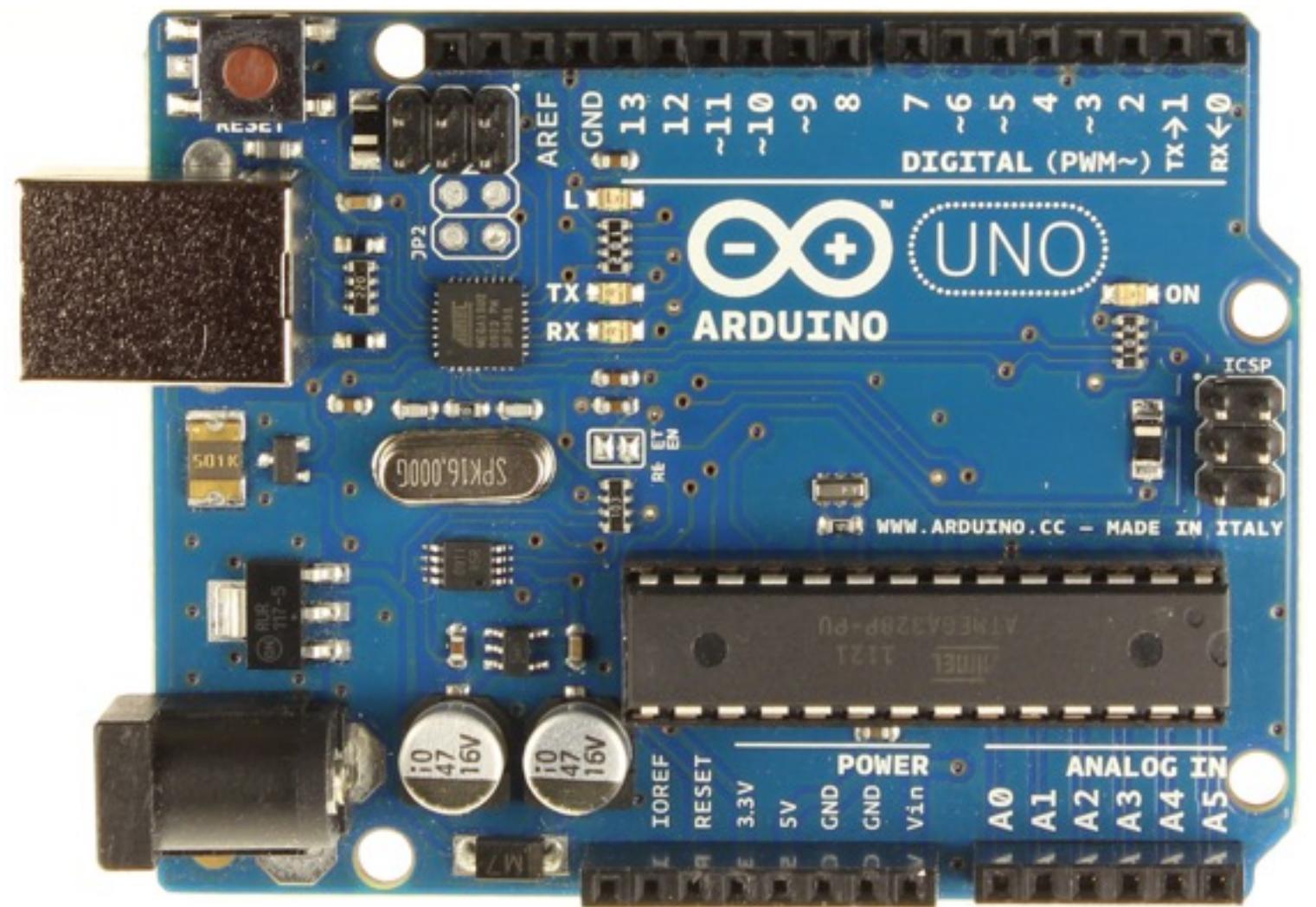


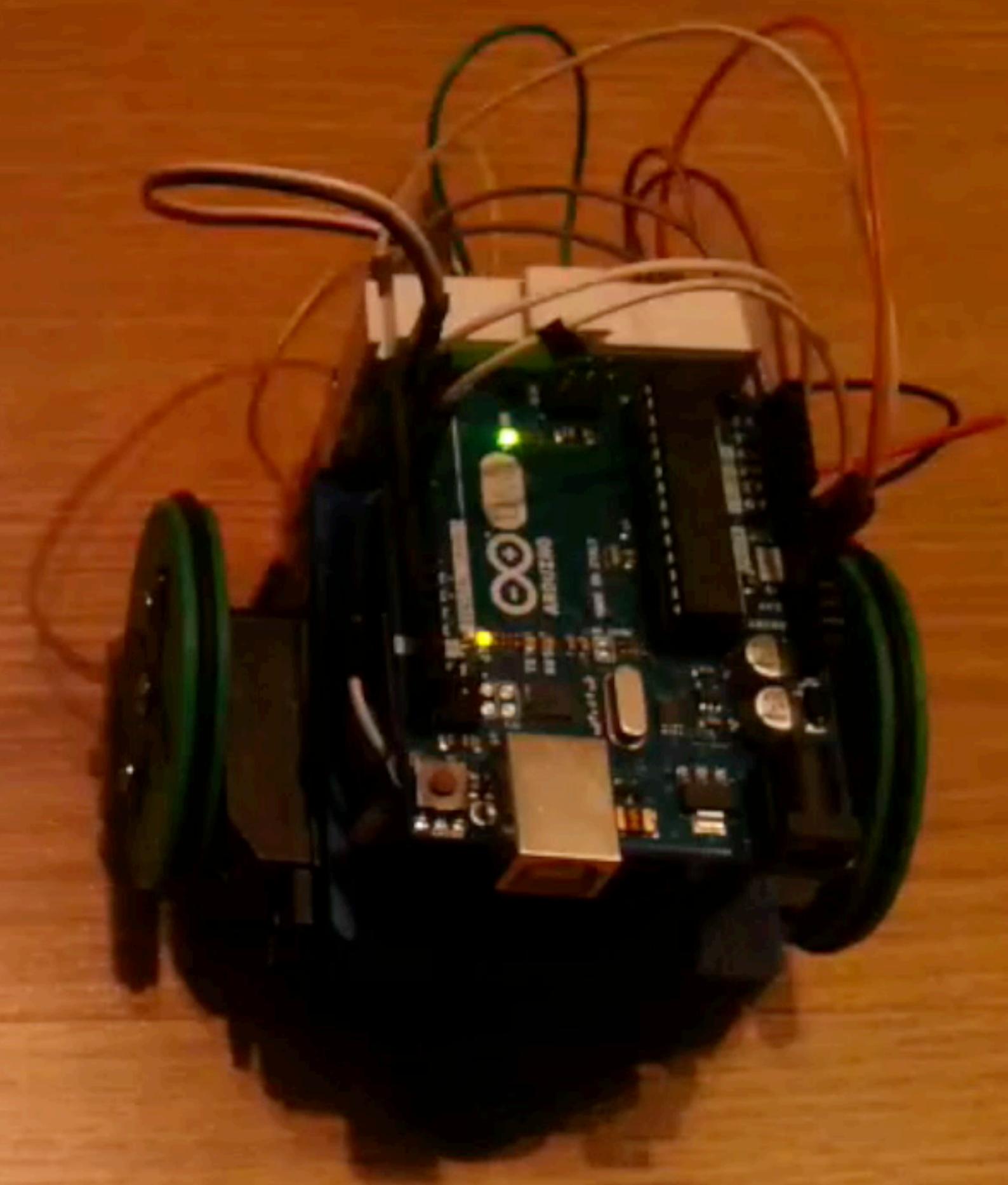
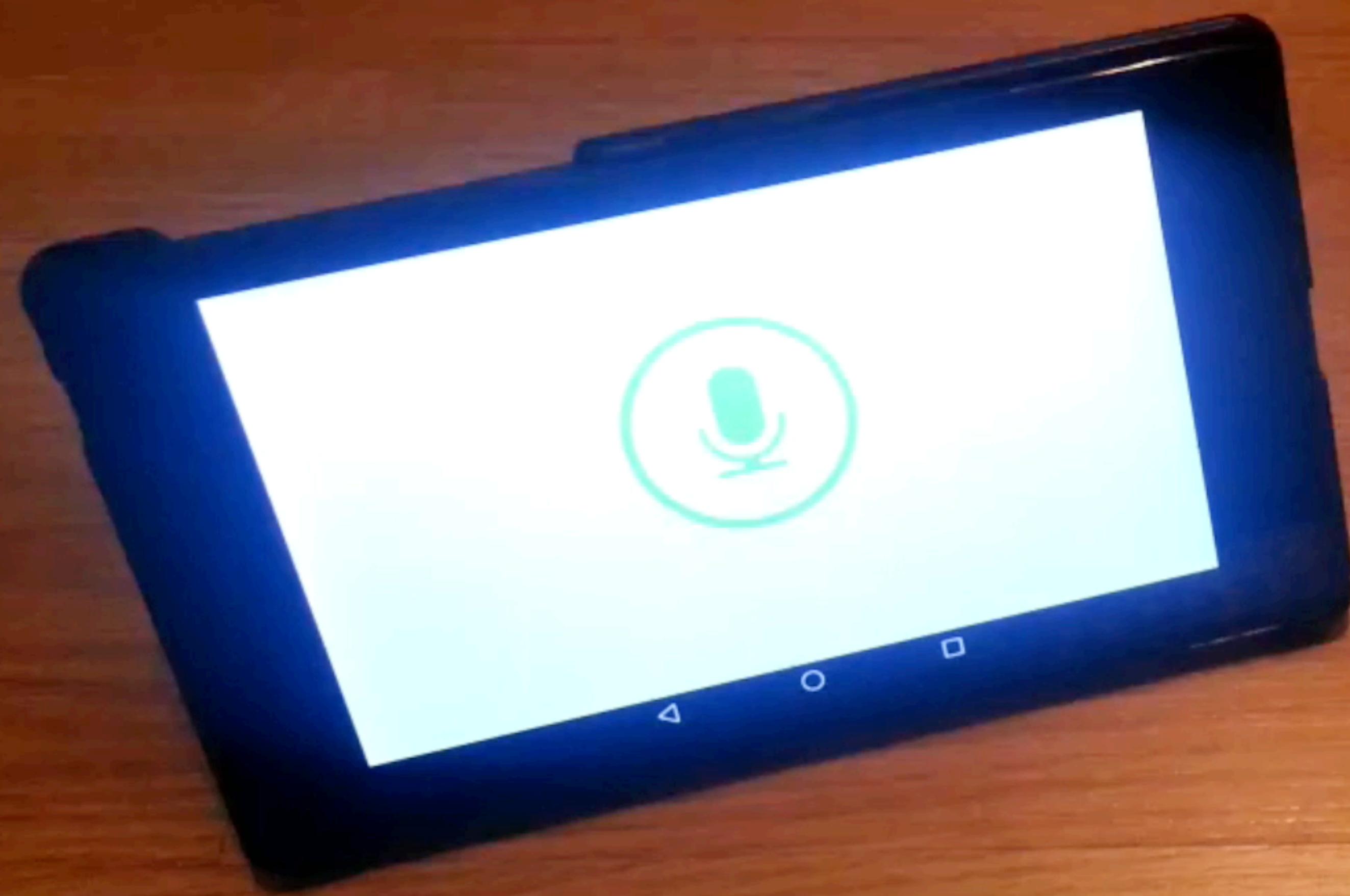
«Si una chica te felicita por tu corbata, mostrar corazones siempre ayuda a mantener la conversación...»

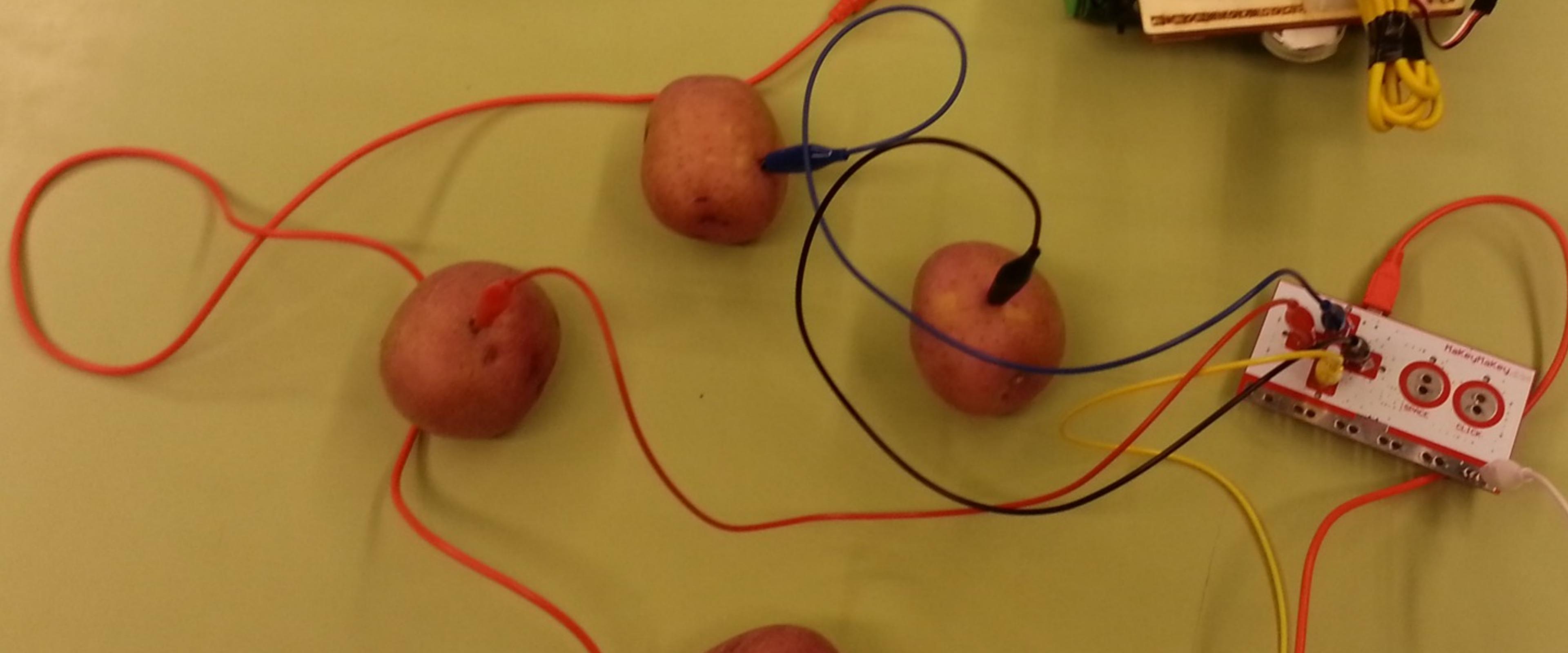
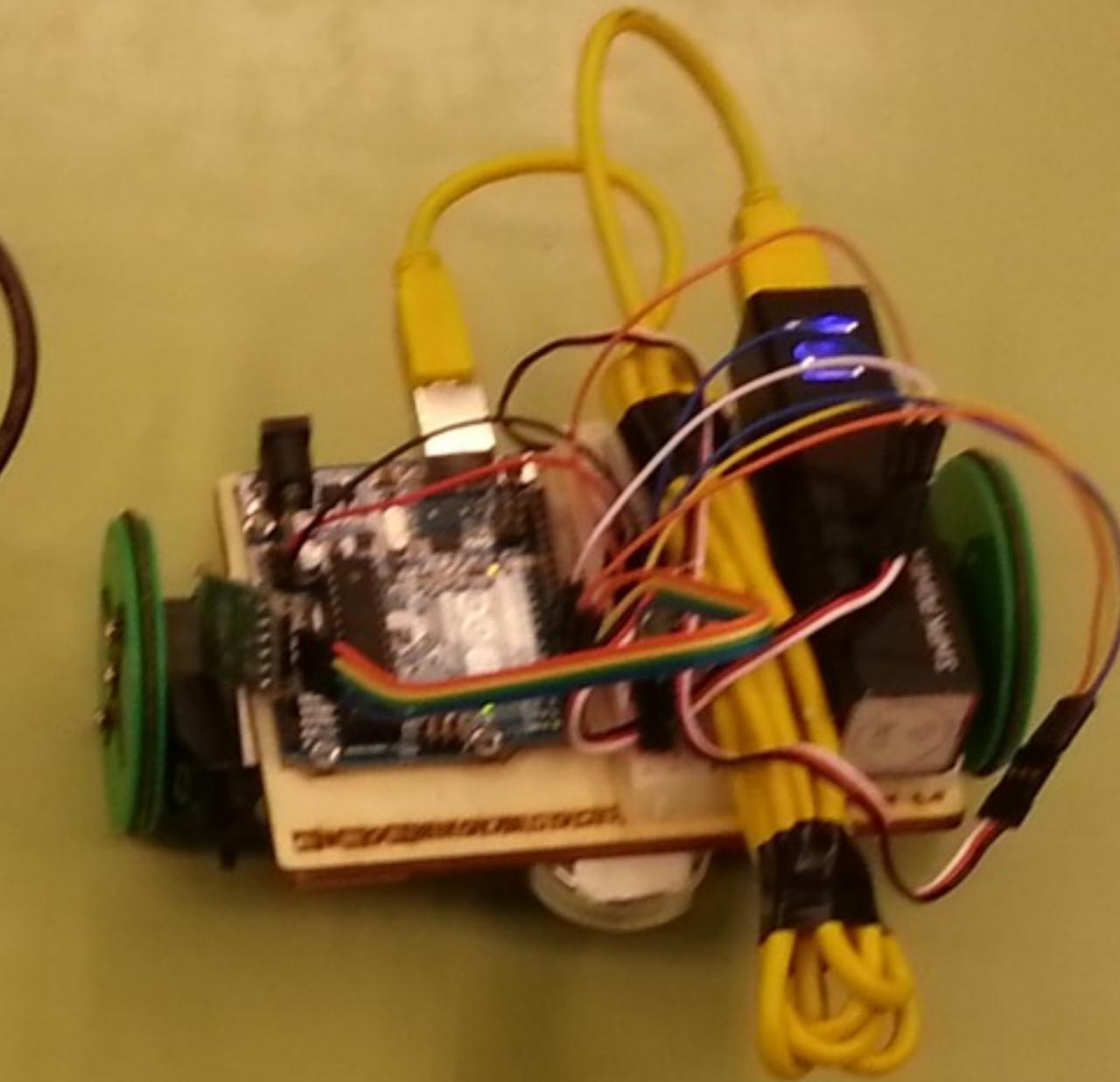
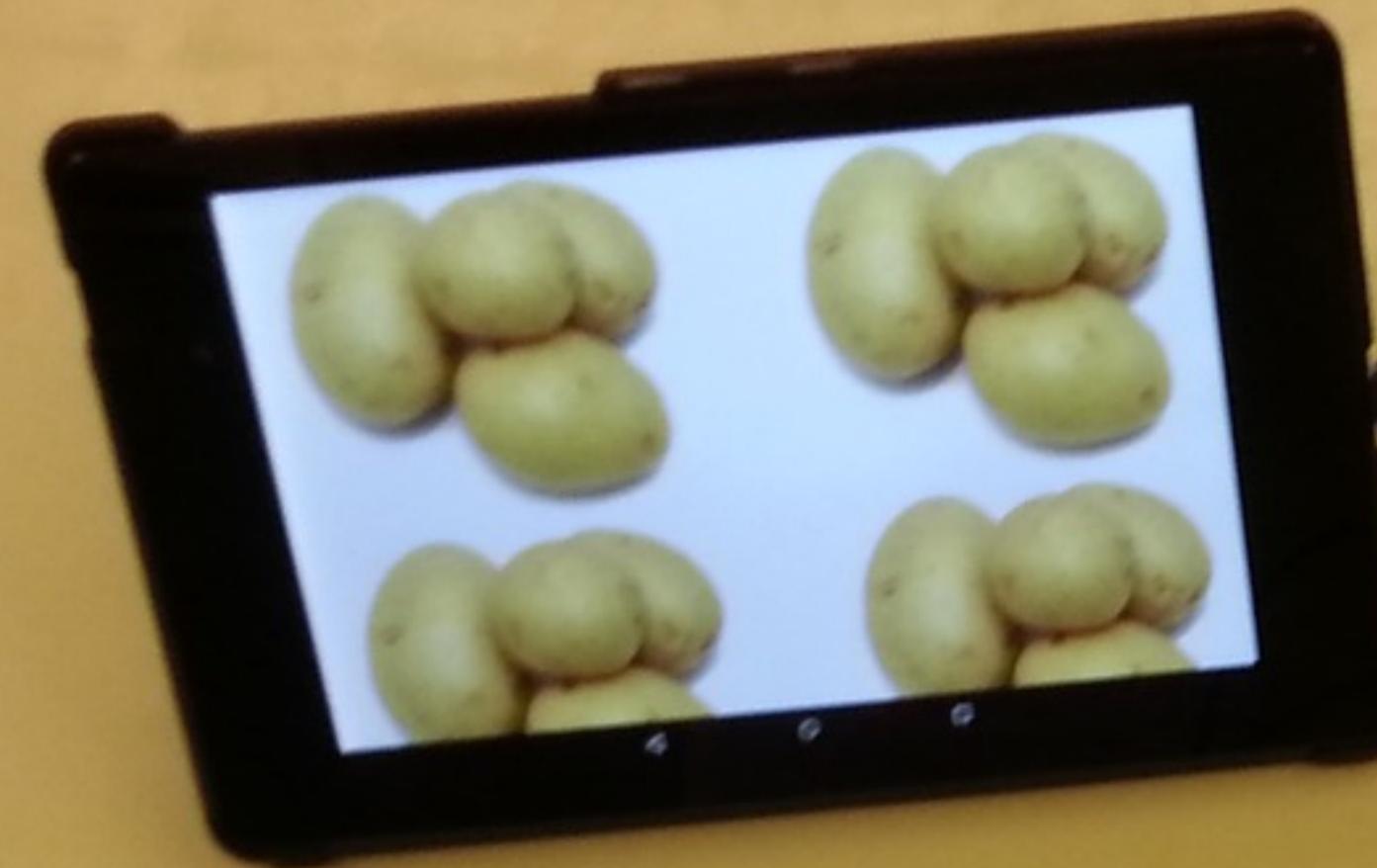
Miguel Ángel López

Deben ser LEDs direccionables de forma individual. Es fácil encontrarlos buscando por “WS2812B WS2812 5050 RGB” en *Aliexpress*











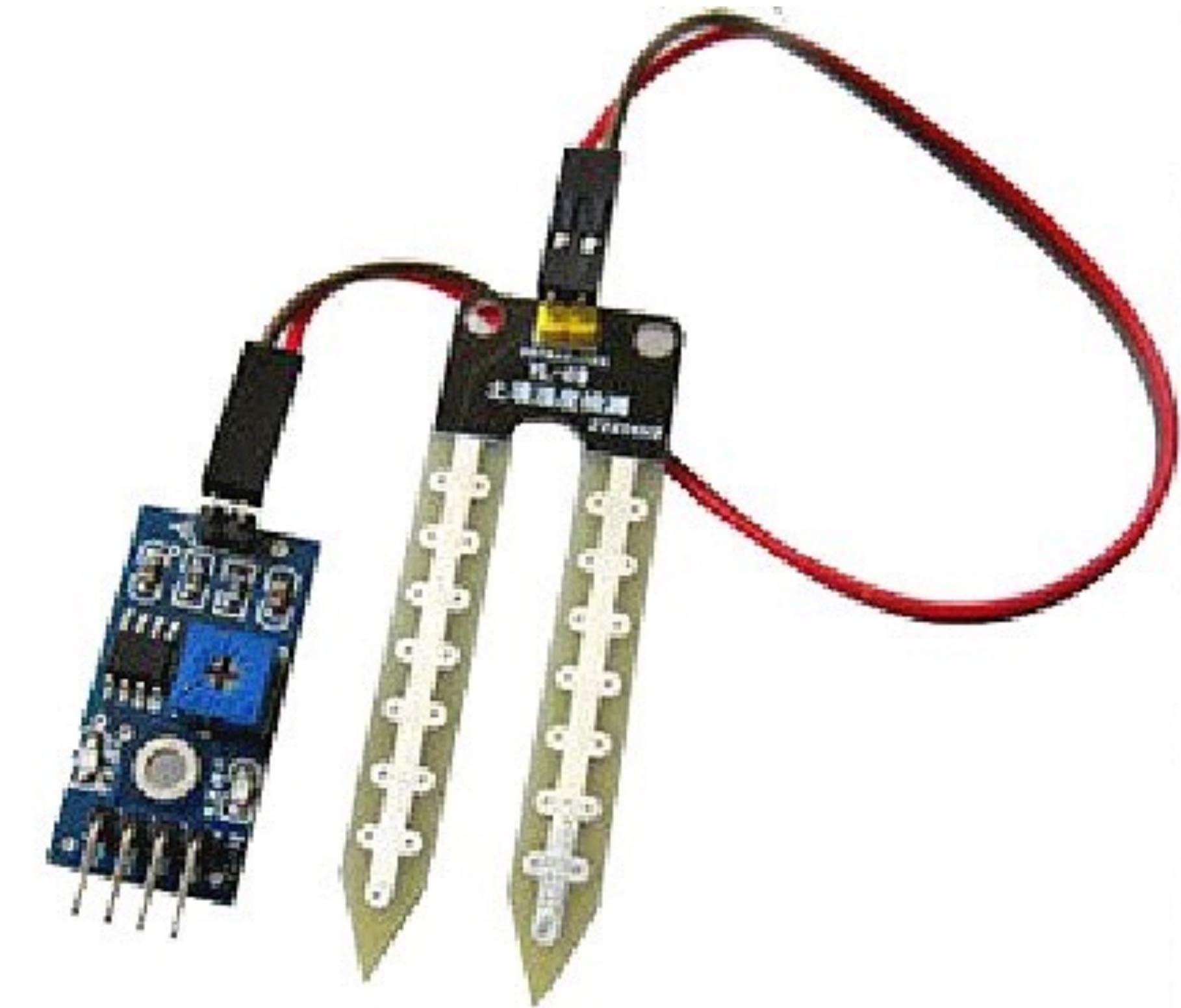
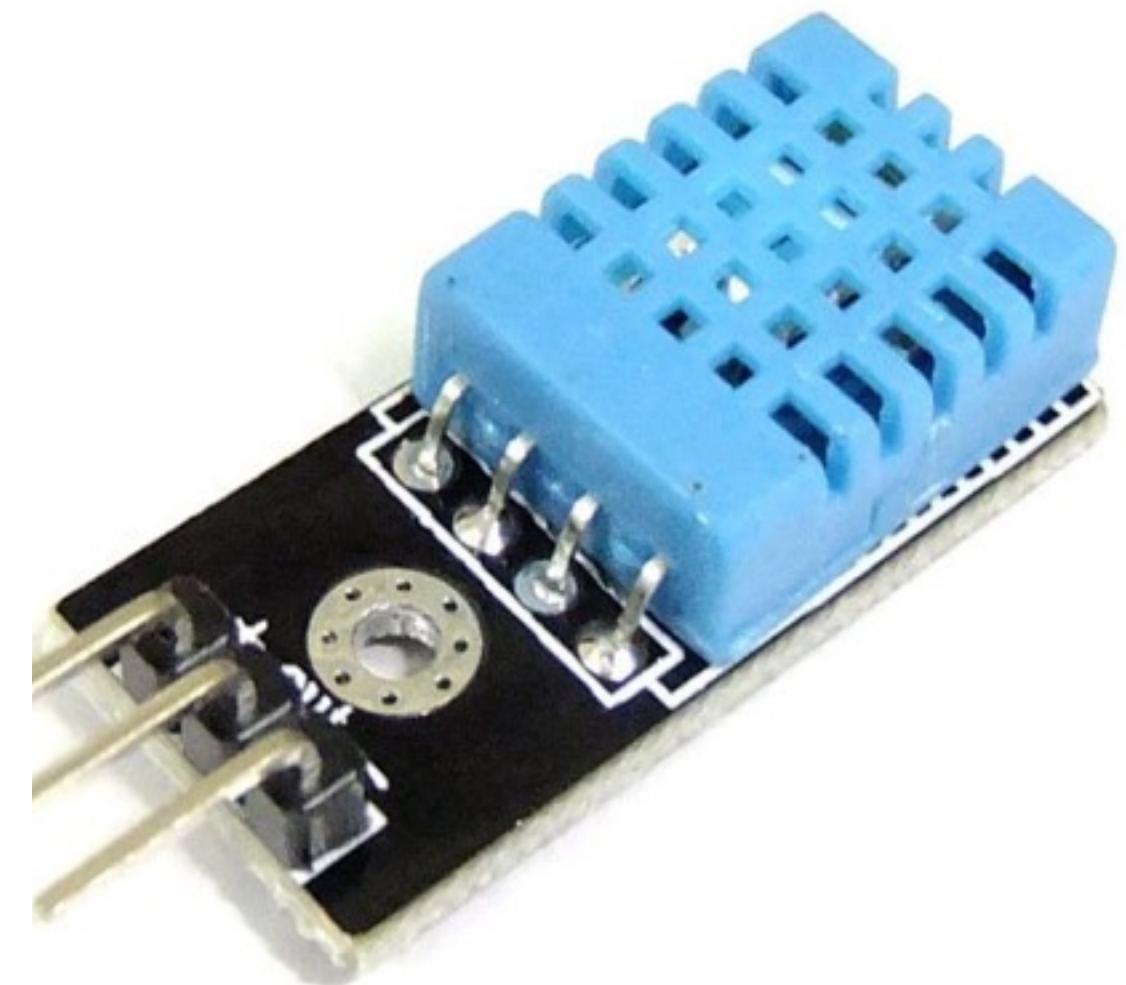
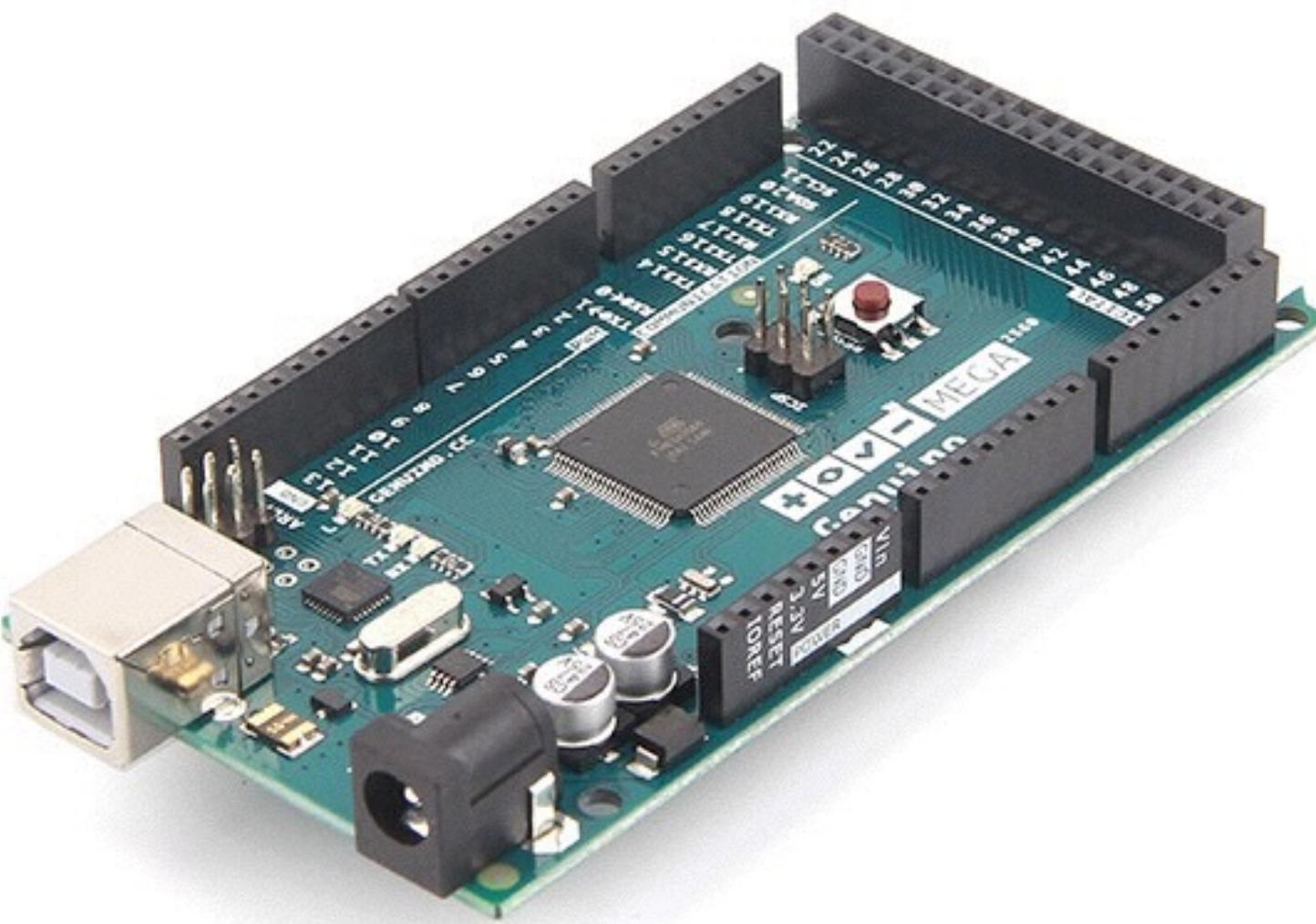
Open Source Experimentation sandbox for Android

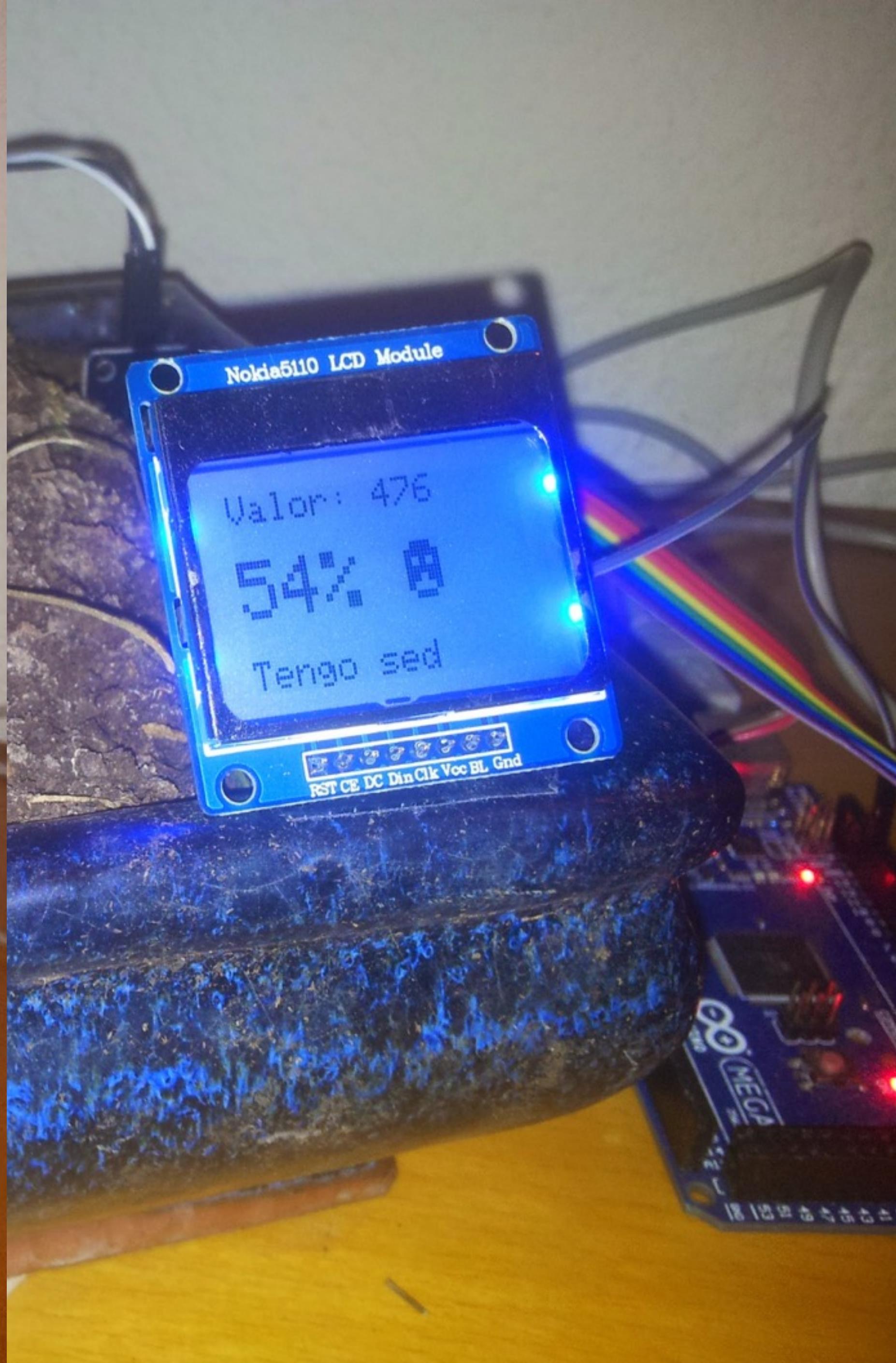
For and by tinkers, researchers, & makers. A framework to
learn and experiment with



Download

<http://protocoder.org>



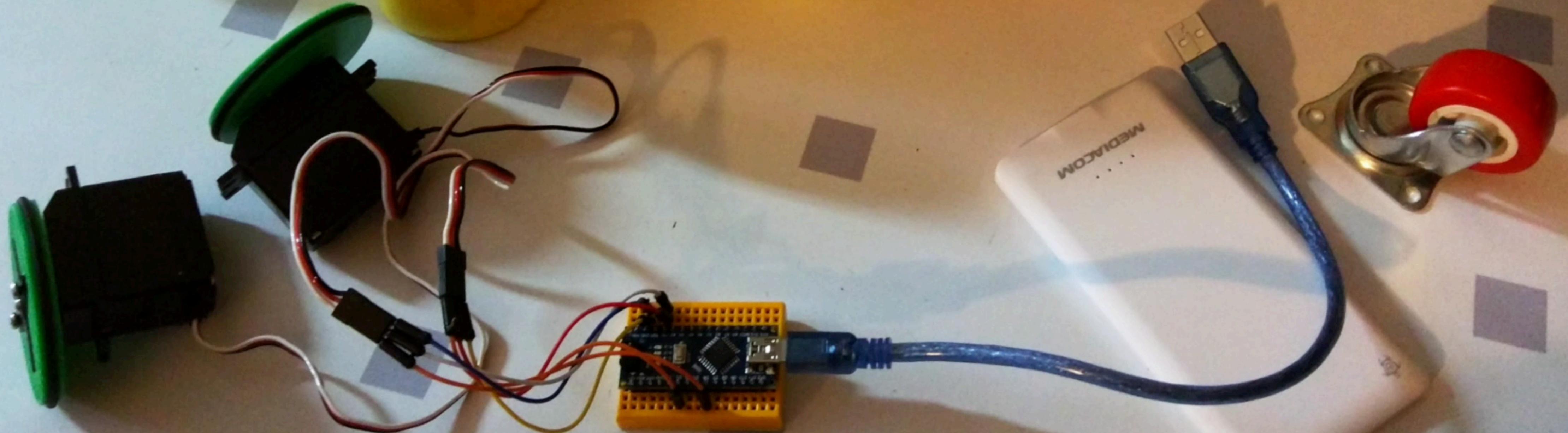


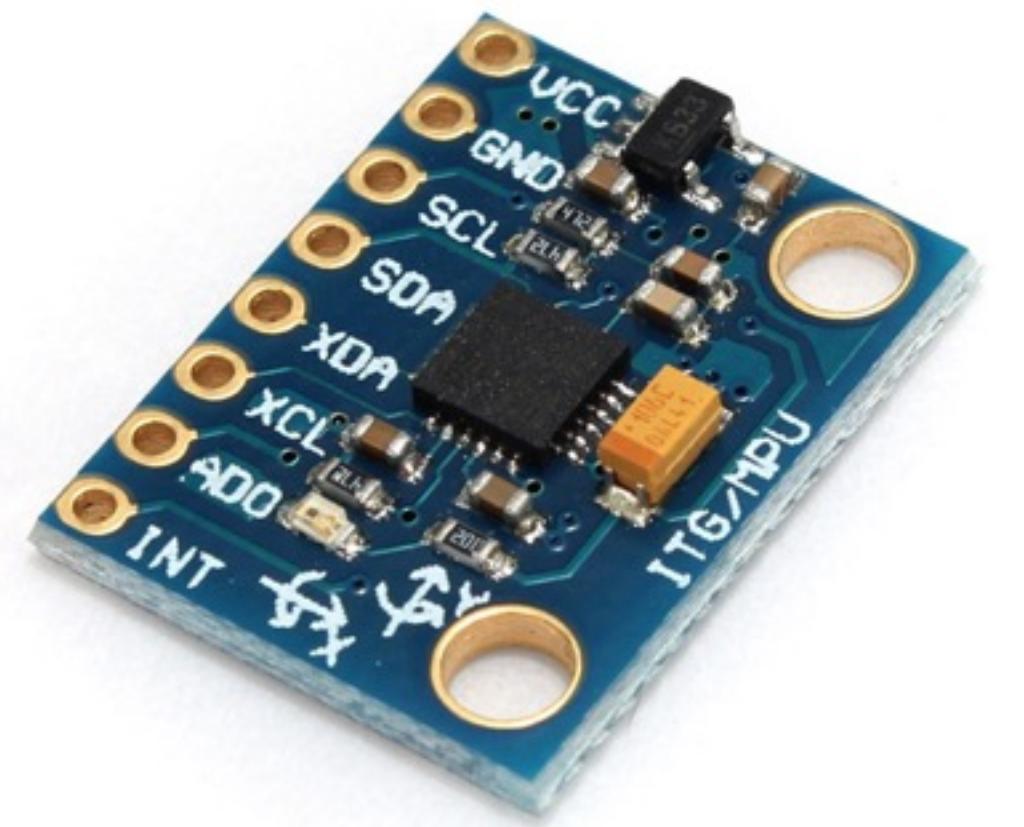
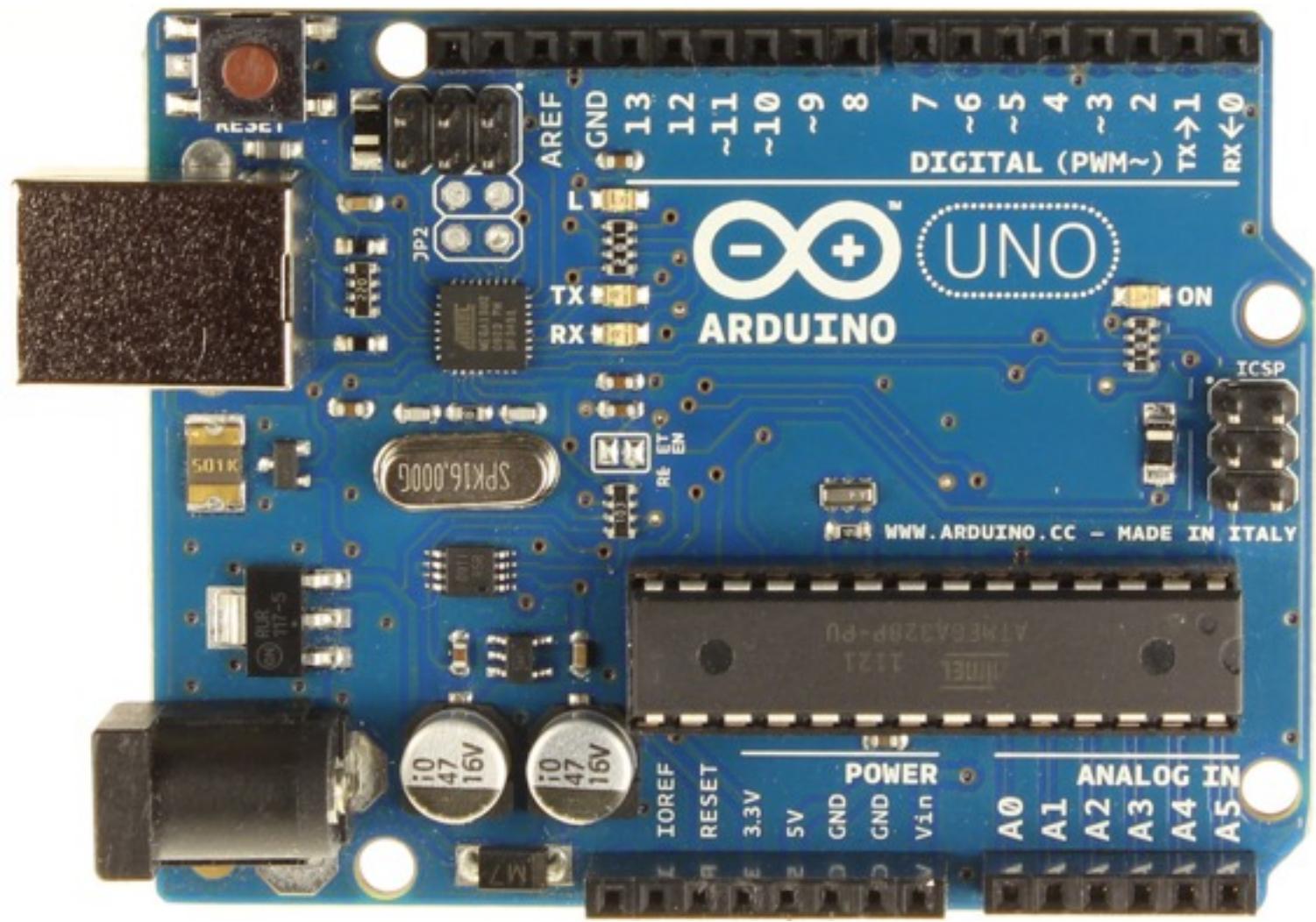
«Toy Hacking»

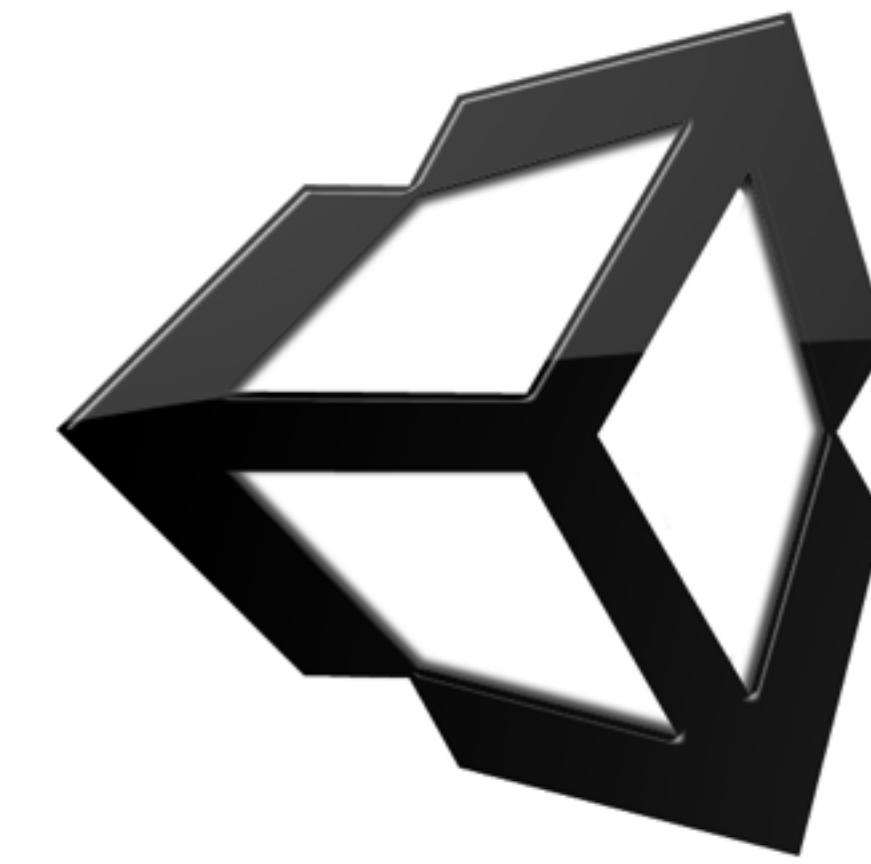
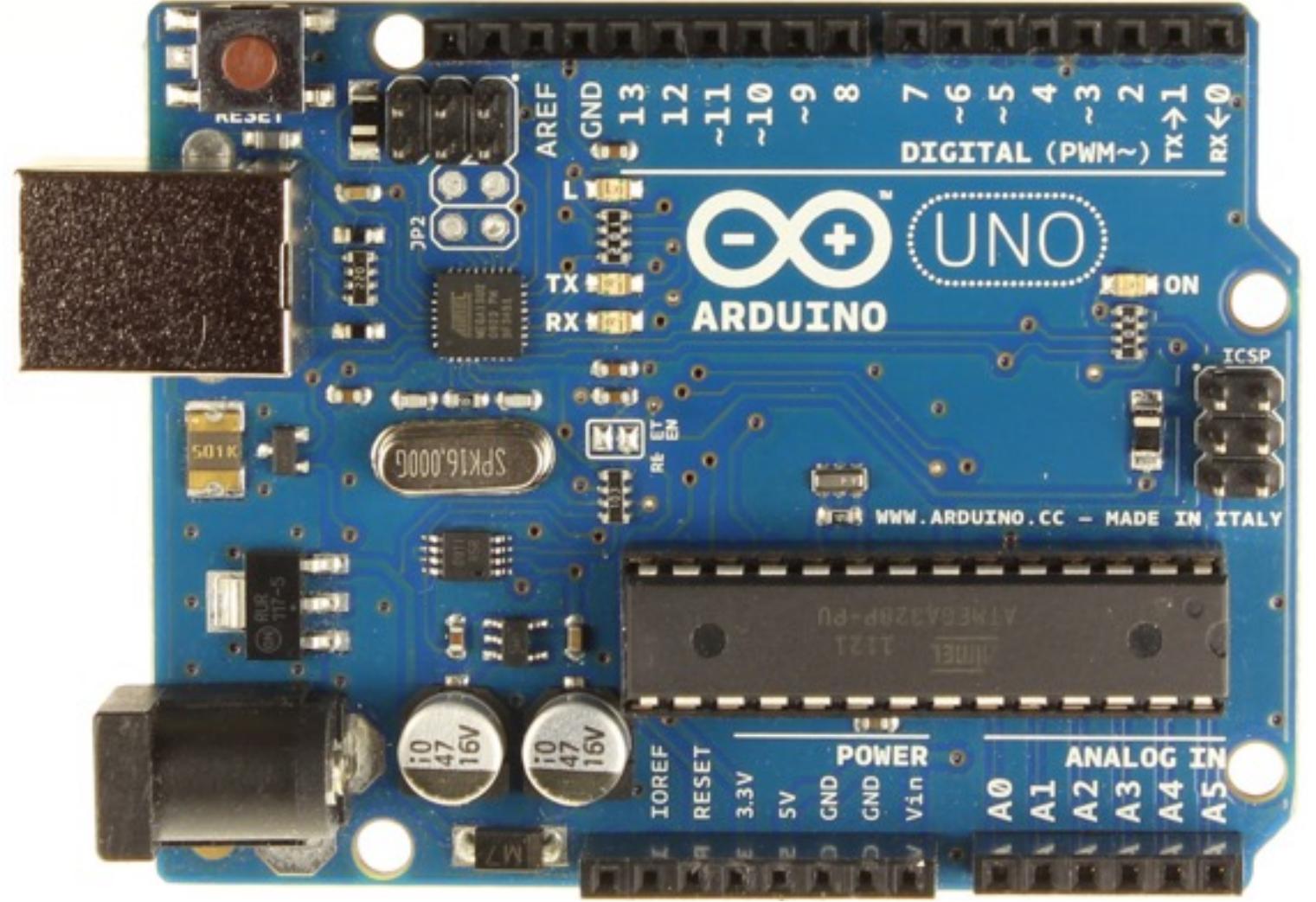
Primeros experimentos de «**Toy Hacking**».

- Tecnologías utilizadas:
 - **Arduino**
 - **2 Servos de rotación continua**
 - **Batería**
 - **Rueda loca**
 - **Cinta de doble cara**

Fecha: Mayo 2015.





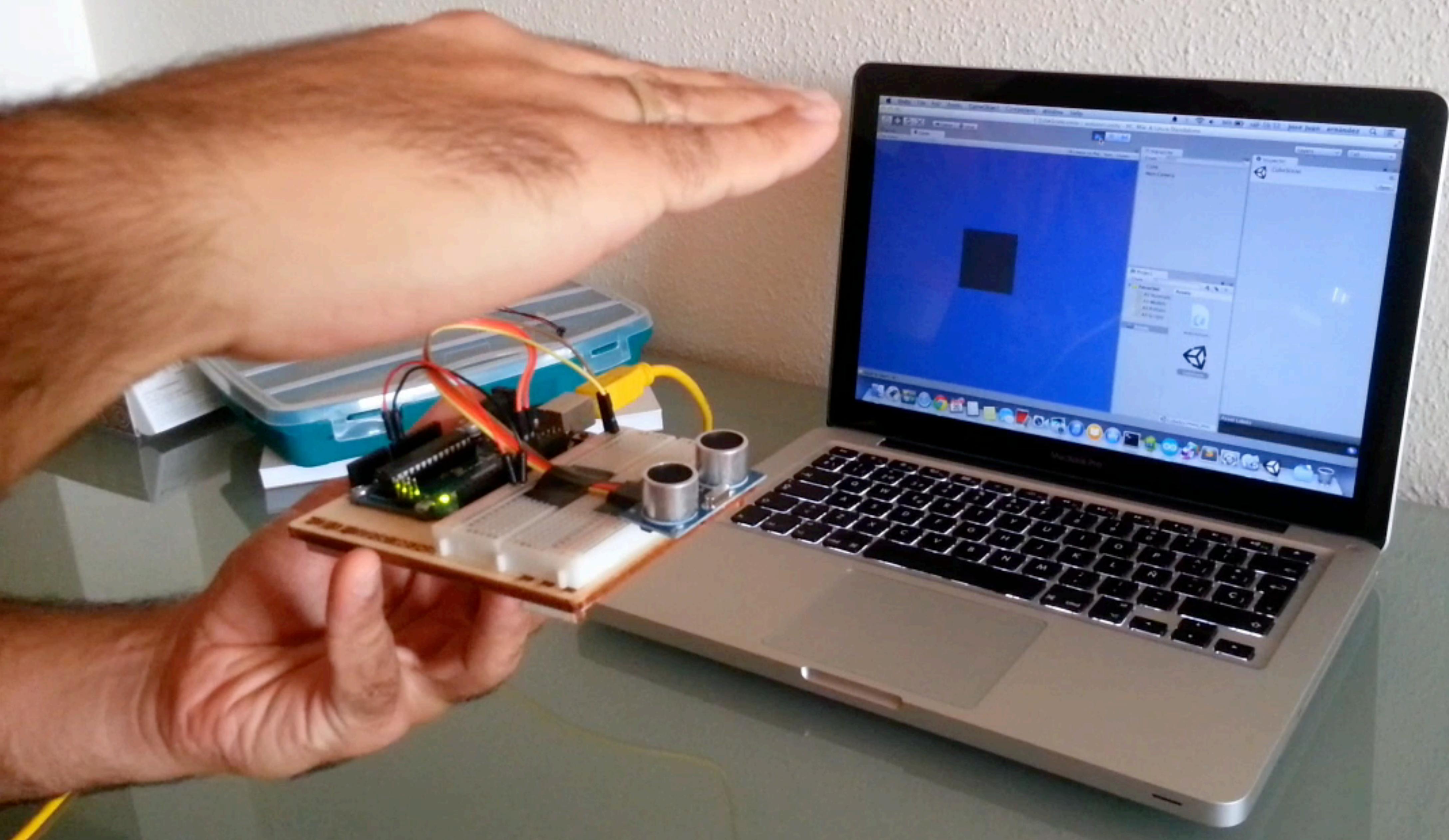
 unity

«Unity + Arduino»

Experimento para controlar un GameObject de un juego 2D de Unity utilizando Arduino.

- Tecnologías utilizadas:
 - **Unity**
 - **Arduino**
 - **Sensor de ultrasonidos**

Fecha: Septiembre 2014.

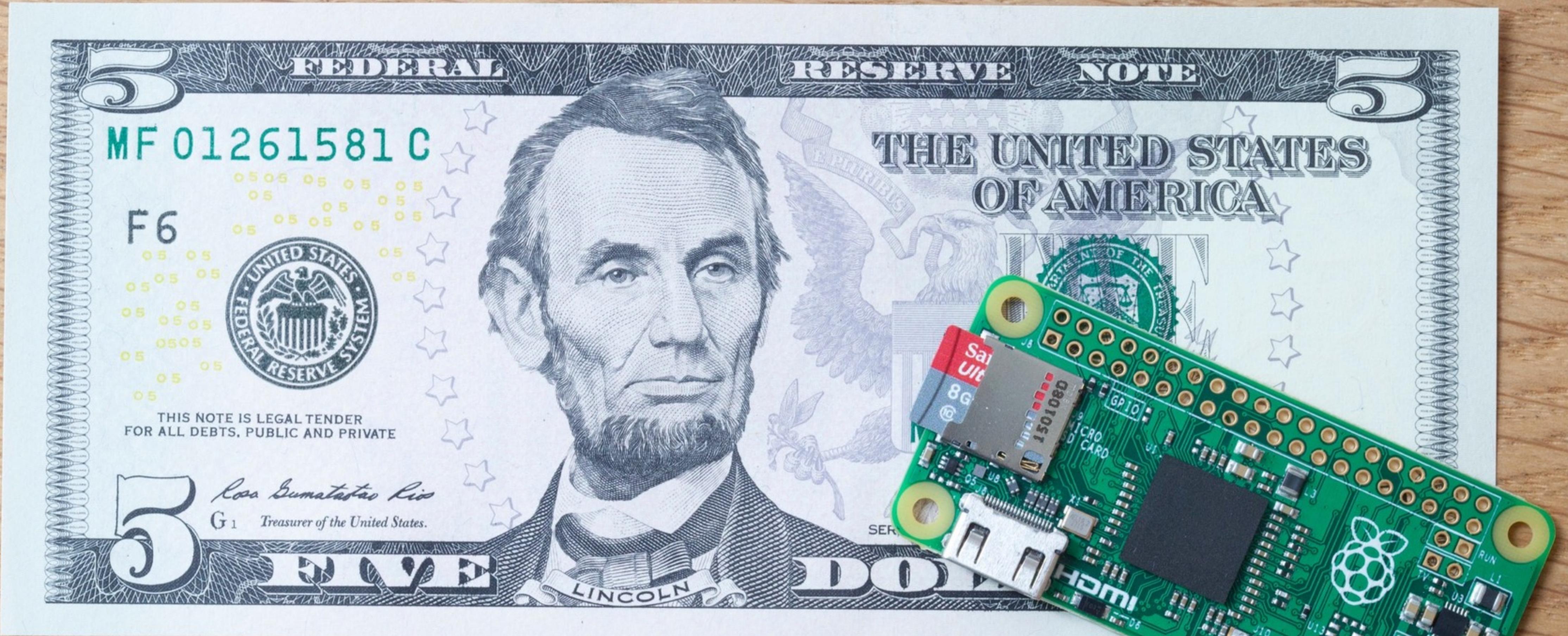


Internet of Things & IBM Bluemix ❤



¿Qué diríais si os digo que por 20 € podemos conseguir un dispositivo con batería, procesador de 1 GHz, 512 MB de RAM, WiFi, Bluetooth, pantalla táctil de 4”, GPS, Acelerómetro, Giroscopio, Magnetometer?





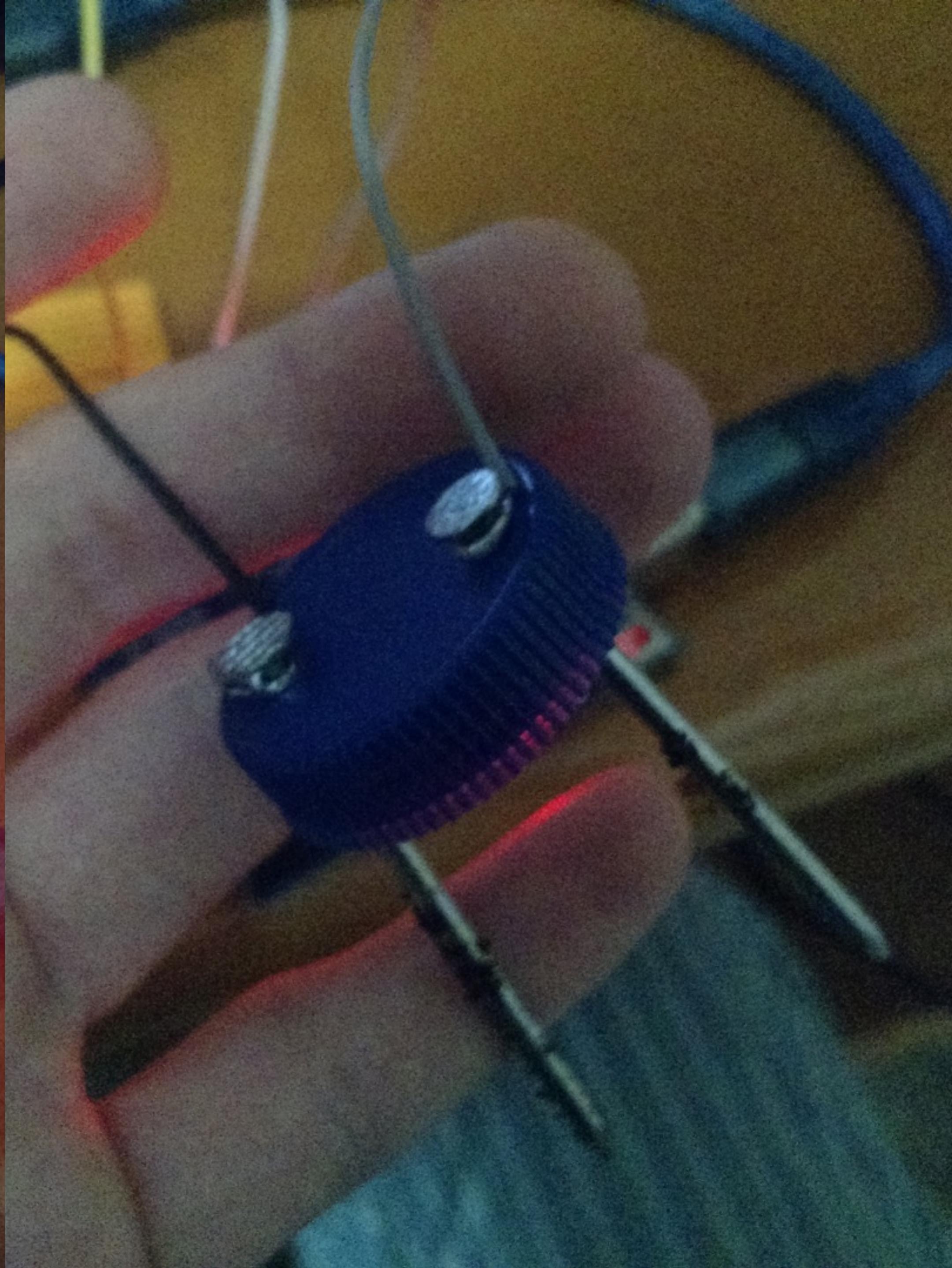
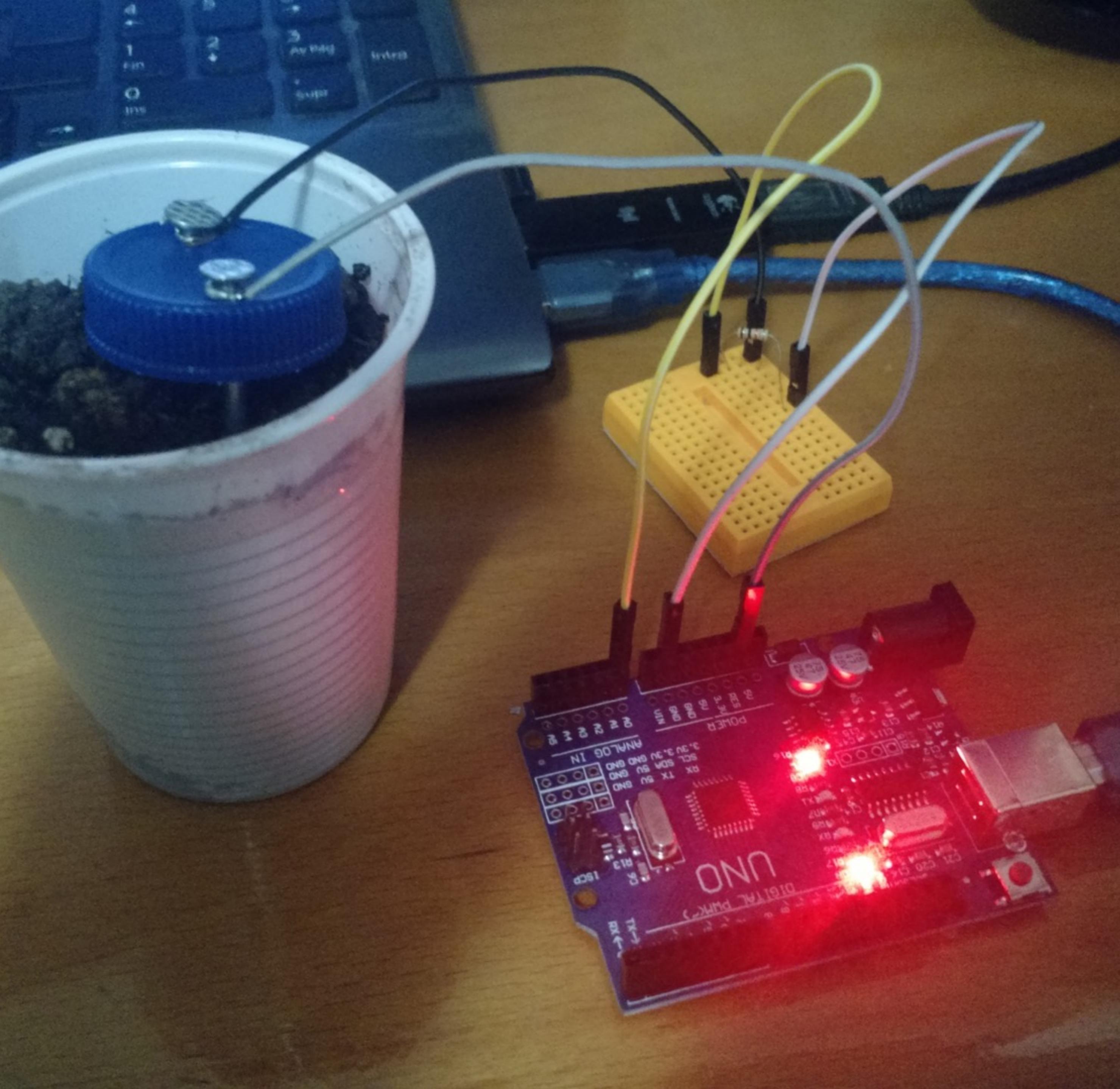
Experimento #1

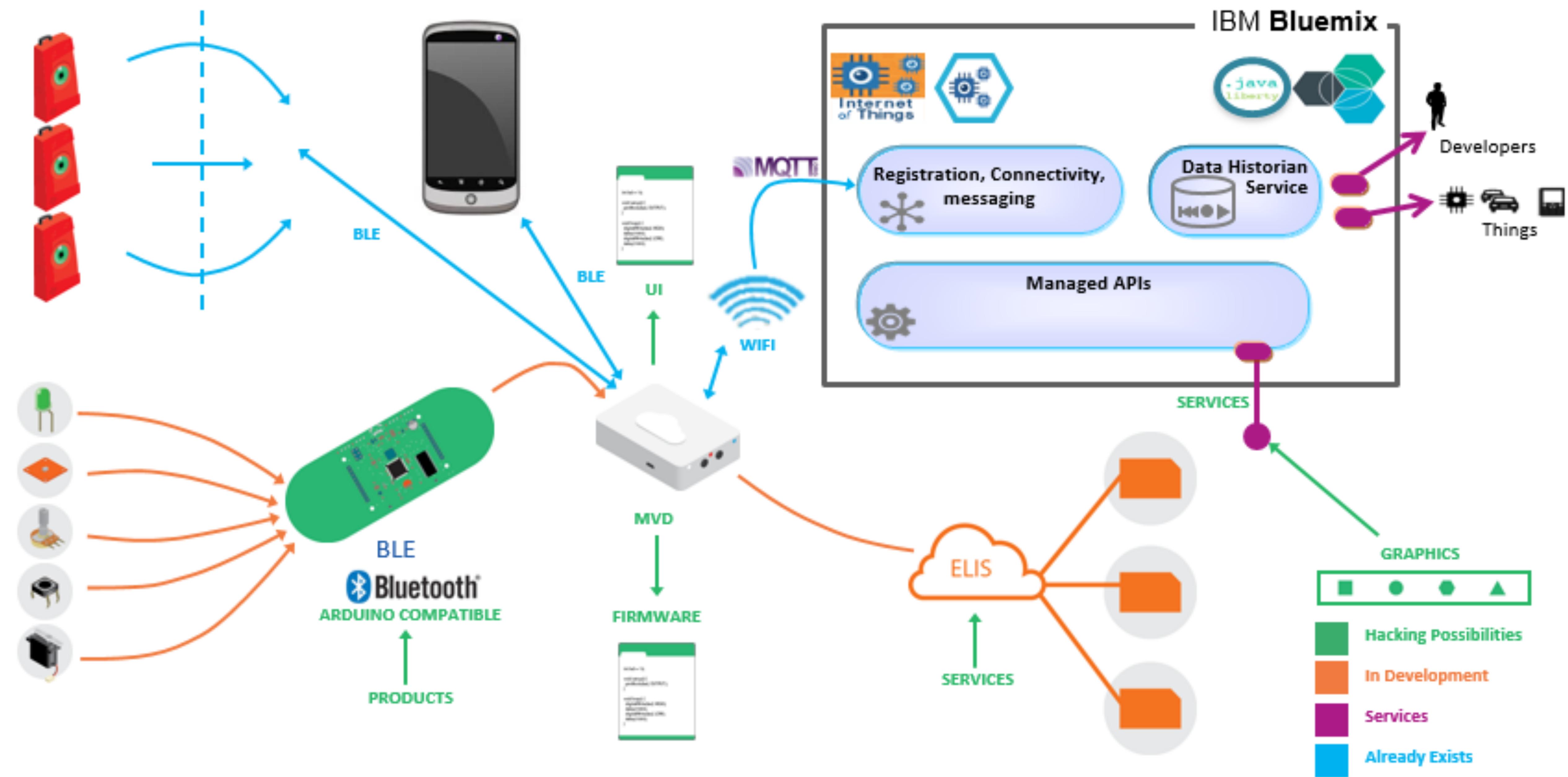
Internet of Things & IBM Bluemix ❤





IBM Bluemix™





Experimento #2

Internet of Things & IBM Bluemix ❤





• Cottons

• Minimum iron

• Woollens

• Outerwear

• Proofing

• Express

Start
Stop

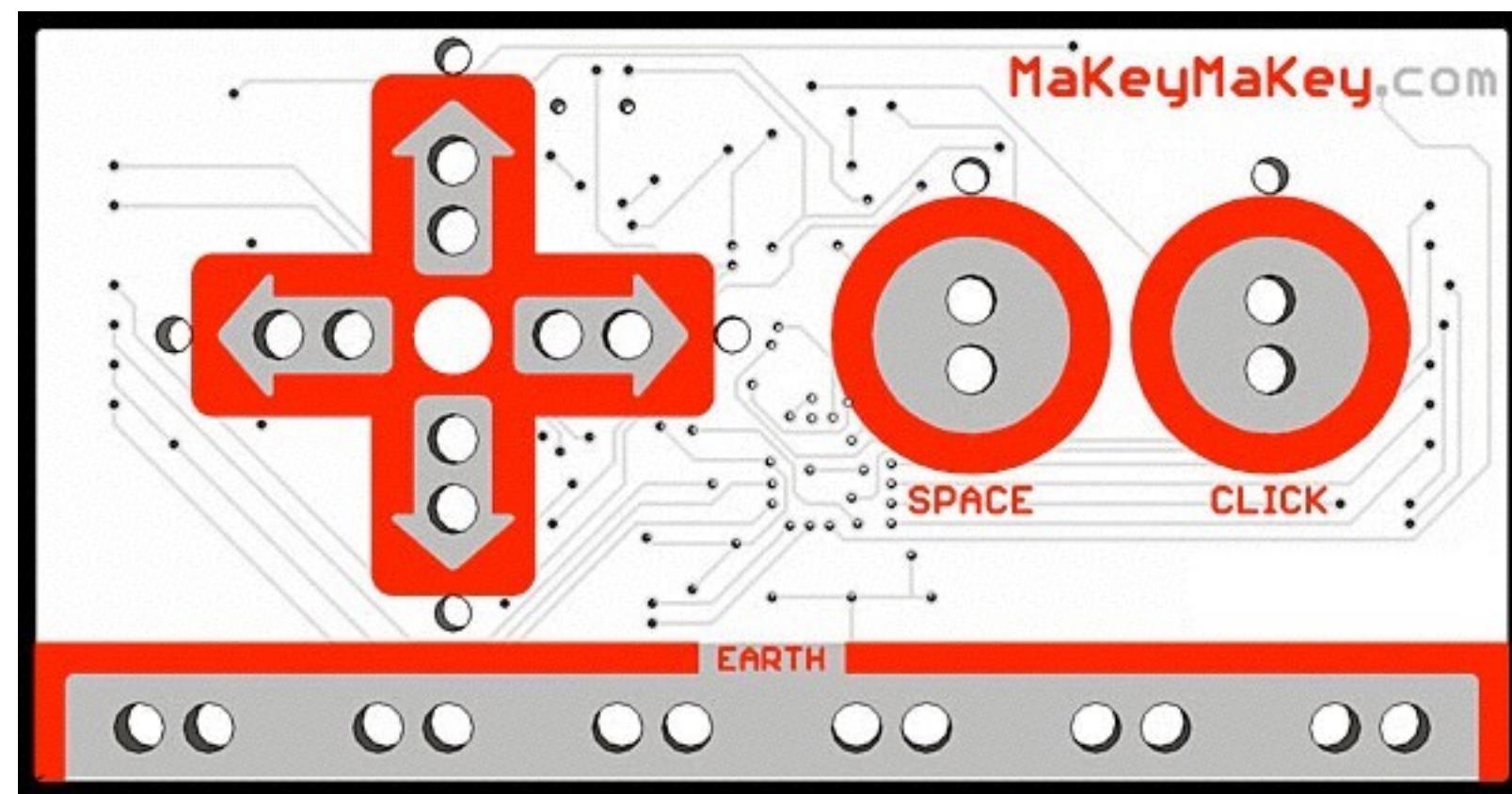
(PC)

Delay start Temperature Spin speed

OK

Settings

Further program
Steam
Garment



IBM Bluemix™





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Gracias