

Getting going with MicroPython

Follow the directions on the course website to set up Thonny to talk to your ESP32:

<http://www.ece.tufts.edu/en/1/project2.html>

EN 1-24: Engineering in the Kitchen

Steven Bell

28 September 2020



TA office hours

Melissa: Tues 6:30-8pm, SEC atrium

Mels: Thurs 12:30-2pm

Joe & Youssef: TBD

Prof Bell: Mon 2-5pm, Wed 2-3 / 3-4pm

Always available on Campuswire!

Thanksgiving break + beyond

Project 2: building a microwave control panel

You will design and build your own microwave control panel.

It must:

- Allow a user to specify different amounts of time to cook

- Indicate the time remaining in some way

- Turn off the microwave if the door is opened

Beyond this, you have complete freedom!

Just be prepared to explain your thought process.

Demonstration



Internet of Shit @internetofshit · 22 jul.

And you bought the oven 😏



Adam Baldwin @adam_baldwin · 22 jul.

Just updated the firmware on my oven. The future is stupid. 🔥



30



159



1,9 mil



Internet of Shit retwitted



Elon Musk ✓

@elonmusk

En respuesta a [@internetofshit](#)

My oven keeps asking for my wifi password. It's not gonna get it.

[Traducir Tweet](#)

4:13 a. m. · 23 jul. 2020 · [Twitter for iPhone](#)



Internet of Shit @internetofshit · 22 jul.

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30

157

2 mil



Elon Musk ✓ @elonmusk · 23 jul.

My oven keeps asking for my wifi password. It's not gonna get it.

222

424

4,6 mil



Riku Mattila

@rmattila74

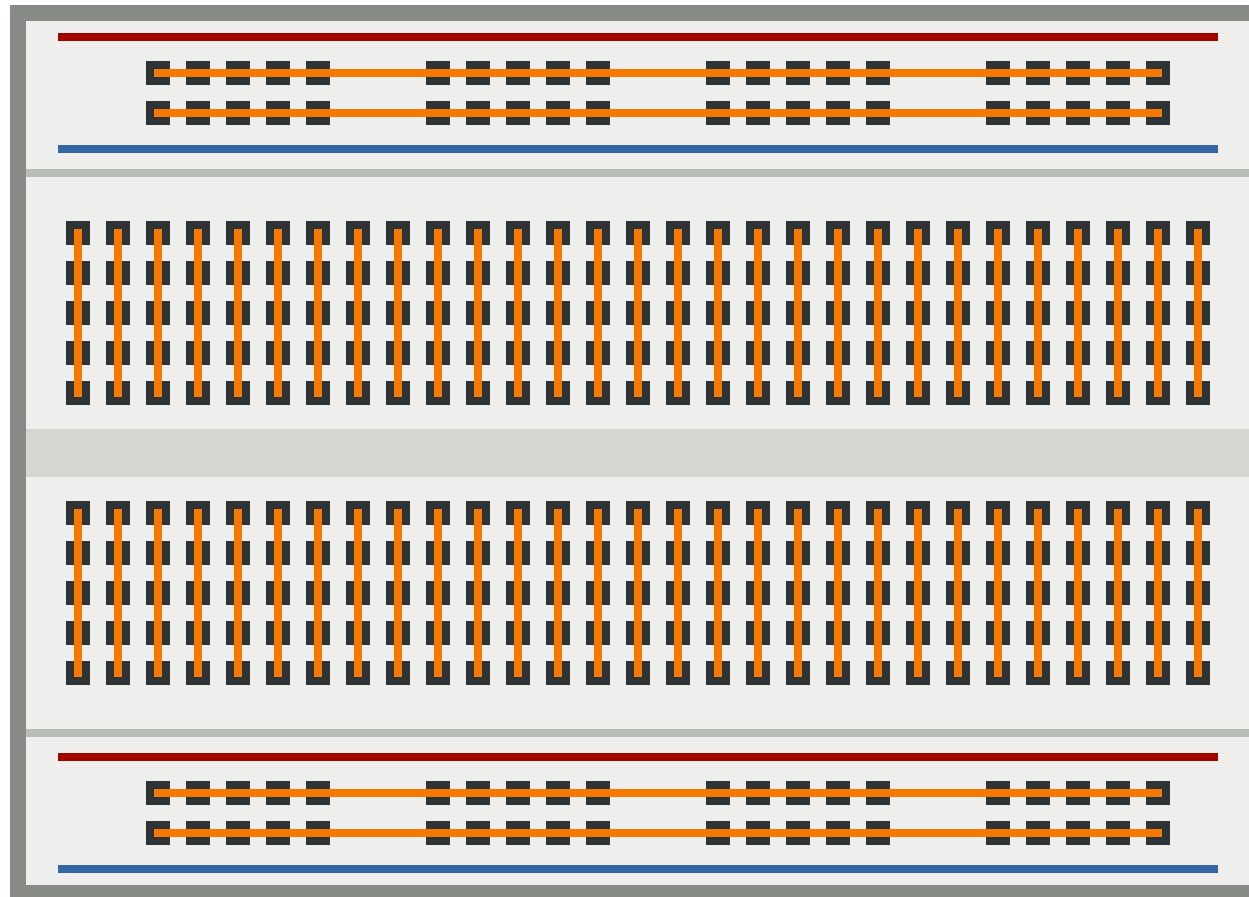
En respuesta a [@elonmusk](#) y [@internetofshit](#)

Easy for you to brag, with a functional body. For me, wifi appliances are the only ones I can use from my bed.

[Traducir Tweet](#)

4:27 a. m. · 23 jul. 2020 · Twitter Web App

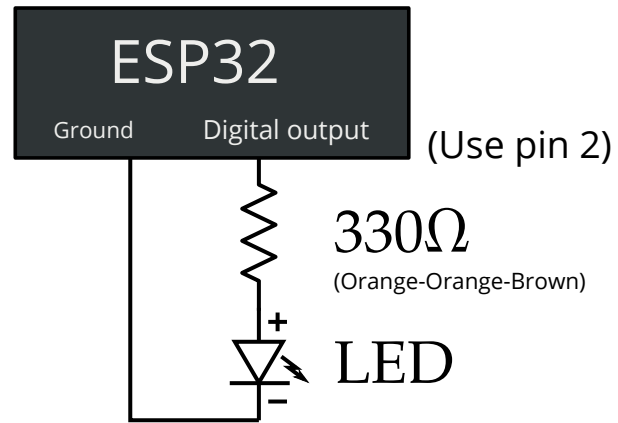
Breadboards



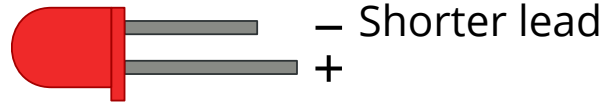
Light-emitting diodes (LEDs)

Build this circuit on your breadboard:

Schematic view

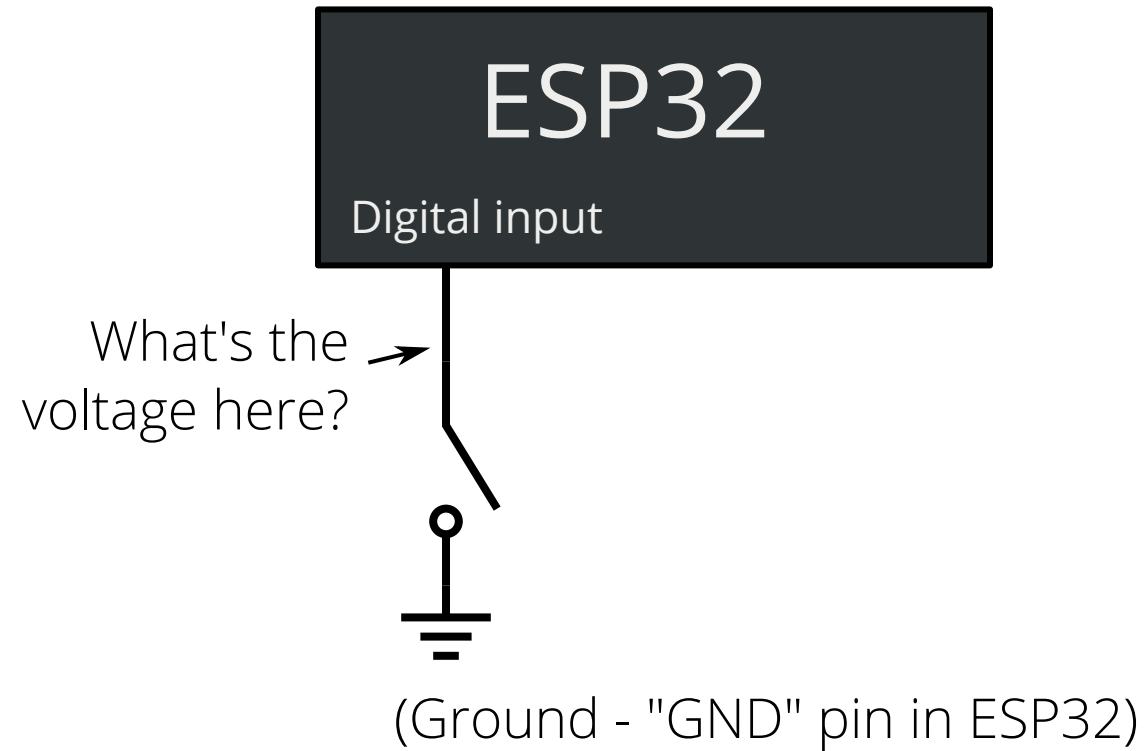


Flat side



Controlling an LED

Wire up a switch



For Wednesday

Build the "proof-of-concept" described on the website

<http://www.ece.tufts.edu/en/1/project2.html>

Don't hesitate to reach out if you're stuck!