EN 1: Engineering in the Kitchen

Steven Bell

4 October 2023

Tufts

UNIVERSITY

Logistics

Our final exam block is 3:30-5:30pm, Tuesday 12/19 (I+ block)
We will have a final project showcase + food

We will have class on 11/20 (Monday before Thanksgiving).

Let me know if you'd like to come to my house for Thanksgiving day - I'll provide transportation, and we'll play with circuits and eat good food.

Capacitive touch input

Capacitive touch input

```python
from machine import TouchPad, Pin
t = TouchPad(Pin(13))
print(t1.read())
```

SSD1306

Project 2: building a microwave control panel

You will design and build your own microwave control panel.
It must:

1) Allow a user to specify different amounts of time to cook

2) Indicate the time remaining in some way

3) Turn off the microwave if the door is opened
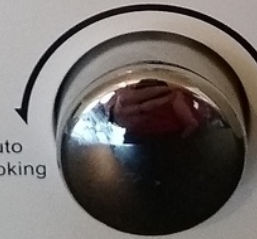
Microwave control "pigtail"

Highland

0:16

Power	Popcorn
Defrost	Clock
Pause/Cancel	Start

Auto Cooking

Time Weight

Some inspiration

Music with the MakeyMakey
https://www.youtube.com/watch?v=wkPt9MYqDW0

J.Views plays with veggies
https://www.youtube.com/watch?v=xvmTav3SYsc

Pizza Hut - Dip Hop

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 retwitteó

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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> **Adam Baldwin** @adam_baldwin · 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

For next time

Talk with your partner and work out your control panel concept

Put two things in OneDrive by **Friday**:

    Very brief description of your concept

    State diagram for your control panel