Python Computing: Building a Sensor System
CSCI 250
Lecture 5: Lab Day … Starting Lab 1 - Blink

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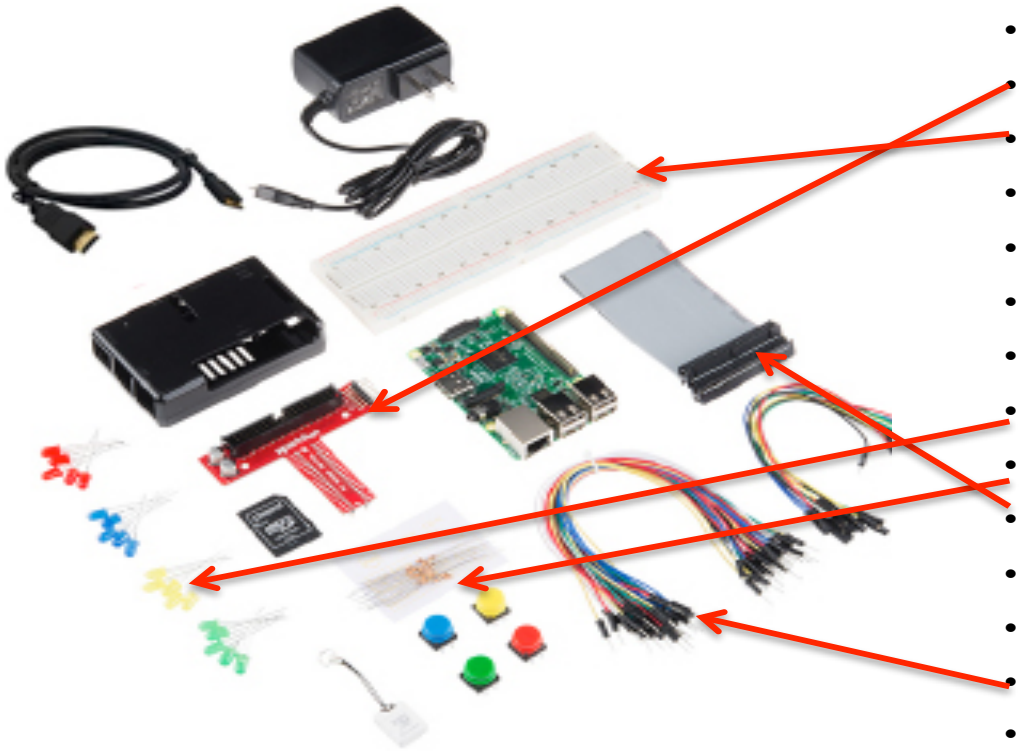
What's In the Box



- Raspberry Pi 3
- SparkFun Pi Wedge (Preassembled)
- Breadboard - Full-Size (Bare)
- Pi Tin for the Raspberry Pi - Black
- 16GB microSD (Preloaded with OS)
- microSD USB Reader
- Red, Blue, Yellow, Green Buttons
- Red, Blue, Yellow, and Green LEDs
- Resistors 330 Ohm 1/6 Watt PTH
- GPIO Ribbon Cable - 40-pin, 6”
- Wall Adapter Power Supply
- Jumper Wires Premium 6" M/F – 10
- Jumper Wires Standard 7" M/M - 30
- HDMI Cable

Exiting your program …

- Control C – just exits … OR
- Add code to catch it and exit cleanly …

```
try:
        while True:
                #this is where your code goes :~)


#capture the control c and exit cleanly
except(KeyboardInterrupt, SystemExit):
        print ("User requested exit… shutting down now”)

finally:
        GPIO.cleanup()
```

Wrap Up

- Discussion:
  - Lab Day – Blink with Extensions
  - Handout uploaded to Canvas
- Assignment:
  - Lab 1 Due 1/31 11:59pm
  - Reading Chapter 2.1-2.4
- Next class
  - Discussion: Data Structures and Looping