Extensions and Going Foward

Other Galileo Project Ideas

Security System

- Use a sound sensor to detect noise
- Use a motion sensor
- Using a webcam to detect people onscreen
- Send an alert/sound a buzzer when it sees or hears something

Using OpenCV

- OpenCV is an image processing package that can be used in Python, and comes installed with your larger Linux image on the SD card
- You can attach a webcam to your Galileo and do image processing on the input
- Example projects:
  - Gesture-based remote control
  - Object tracking
  - Security system

Gardening

- Based on [this Arduino gardening project](#) (which can probably be made easier with Galileo)
- Features:
  - Turn on lights when it is dark out (so that plants get 15 hours of light per day)
  - Send alert if temperature drops below 10°C
  - Water plants if soil moisture drops below predefined value ([how to make a moisture sensor](#))

Many, many more!

- You now have many skills that you can combine to create cool projects
  - Reading sensors
  - Sending/publishing data
  - Sending output
  - Processing data in Python
- Google other people's Galileo, Raspberry Pi, or Arduino projects for inspiration
- Come up with your own cool projects!