Acceleration-Triggered Cameara

4B25 Project Final Report, 2019

**The Problem**

The system developed involves a wearable accelerometer connected to a camera, which takes a photo when the acceleration is larger than a threshold. This solves the problem that people may not know when the best moment for a photo is.

**Target Users**

The main target users are extreme sport athletes, who do intense and thrilling activities during which they cannot take photos whenever they want. The photos taken by the system tell them when the most exciting moment is.

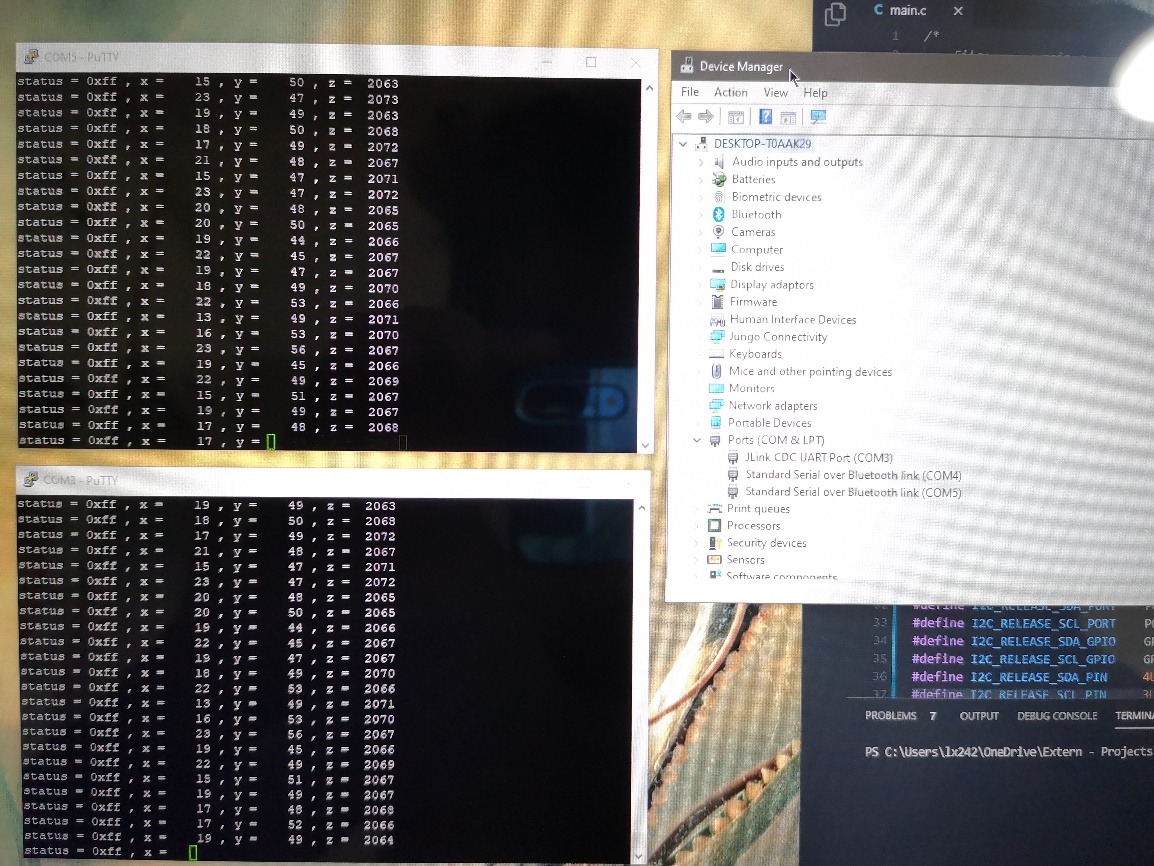
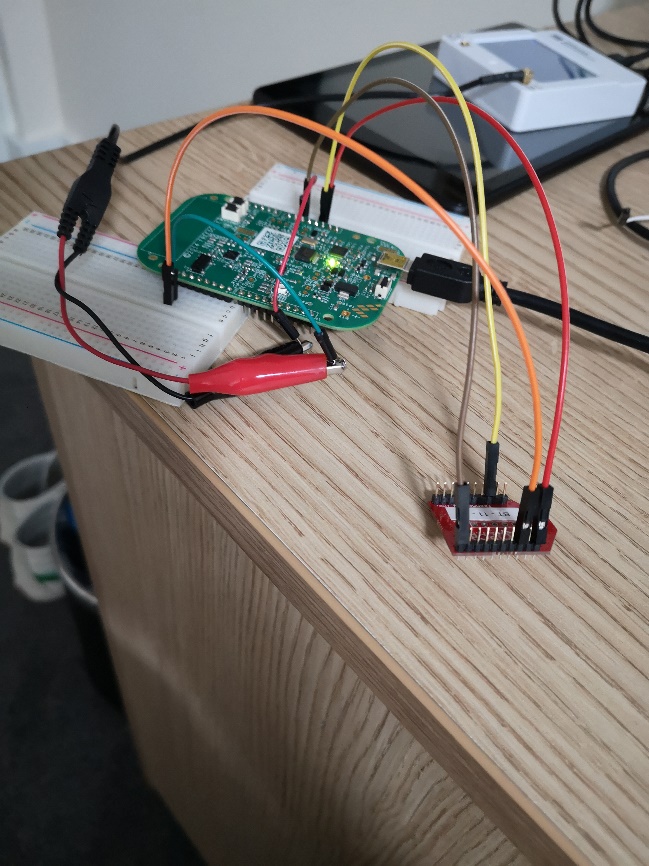
**The Progress**

The KL03Z can take readings from the accelerometer on board via I2C and transmit the data via Bluetooth. A Python script on PC can read the Bluetooth serial port and take a photo using the webcam when certain messages are received.

**The Approach**

**The Results**

(The wiring, Bluetooth connection on a Phone, data from Bluetooth vs. data from cable)

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