Capstone Meeting 11

Date: 2/27/2018

Time: 5:15 PM to 5:30 PM

Update:

* Time stamp (time when motion was detected) via the PIR sensor has been added in
* Si7021 and TSl2561 have their level shifters and pull up resistors removed
  + Now just need to have their I2C connection set-up with pull-ups connected to the Raspberry Pi’s 3.3 V supply and SDA & SCL lines
* Working on sampling
  + Having some troubles with piping but making progress and we’re getting closer and closer

Plan:

* Look up a non-blocking way to send to the pipe (Check for parameters that’ll allow for this)
* Maybe add in another sensor if we have extra time
* Back-end mechanism to change LUX threshold and be able to check if it falls within said threshold (Classify it into useful info)
  + Think of a Schmitt Trigger (hysteresis)
  + Common practice within IoT devices and services
* Later on, after software side of stuff is done, we can move on to automation
* Think of packaging and report