

- Timer: iTimer
- MPU6050: mpu
- NanoRocks: experiment
- int: bufferLength
- int: bufferIndex
- float[]: mpuBuffer int: BOOST\_MEAS\_PERIOD
- + int: gravityState
- + int: begin()
- + void: end()
- void: updateGravityStatus()
- + void delayMillis()
- float[]: readMPU()
  float: averageBuffer()
- + void: mpuLoop()
- + void: runExperiment()
- + int: getGravityState()

## **NanoRocks**

- PiCamera2: camera
- int: solenoidPin
- int: ledPin bool: solenoidPinState
- bool: ledPinState
- + bool: on
- + void: begin()
- + void: end()
  void: toggleSolenoid()
- void: toggleLED()
- void: toggleRecording();

## Timer

- int: currTime
- int: startTime
- + void: begin(int startTime)
- void: tick()
- + void: delayMillis(float delay) + float: timeElapsed()