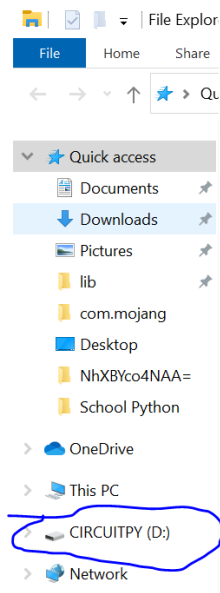


Justin Dyer

Instrumentation

1. Picture below shows the BLUEFRUIT connected to my computer:



2. The following is my blink.py code, I changed the values of time.sleep() to my desired time which was 0.5 seconds because the inconsistency was bothersome:

```
import board
import digitalio
import time
```

```
led = digitalio.DigitalInOut(board.D13)
led.direction = digitalio.Direction.OUTPUT
```

```
while True:
    print(time.monotonic())
    led.value = True
    time.sleep(0.5)
    led.value = False
    time.sleep(0.5)
    led.value = True
    time.sleep(0.5)
    led.value = False
    time.sleep(0.5)
```

3. Here is the video of me and my fiancé waving at the camera and my circuit board blinking:



2022-01-20
14-31-03.mkv

4. The following is my desktop blink.py code and a screenshot of its output:

```
"""
```

Created on Thu Jan 20 14:11:29 2022

@author: Justin

```
"""
```

```
import time
```

```
while True:
```

```
    print(time.asctime())
```

```
    time.sleep(1)
```

```
In [30]: runfile('C:/Users/Justin/Documents/School Python/GSWCPB.py', wdir='C:/Users/Justin/Documents/School Python')
Thu Jan 20 14:17:14 2022
Thu Jan 20 14:17:15 2022
Thu Jan 20 14:17:16 2022
Thu Jan 20 14:17:17 2022
Thu Jan 20 14:17:18 2022
Thu Jan 20 14:17:19 2022
Thu Jan 20 14:17:20 2022
Thu Jan 20 14:17:21 2022
Thu Jan 20 14:17:22 2022
Traceback (most recent call
last):
```