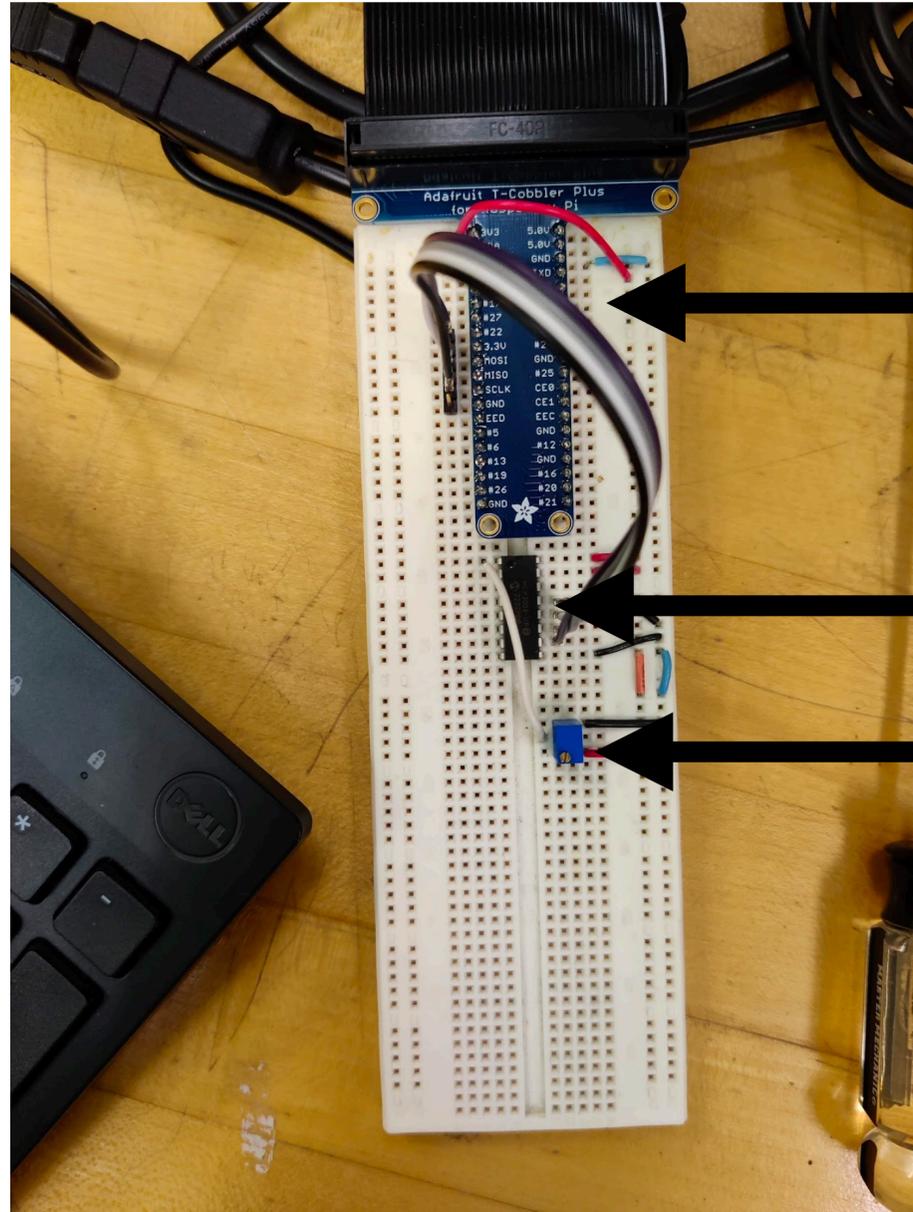
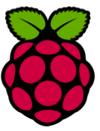


KLM Meeting

‘HELLO WORLD!!’ - Raspberry Pi 4 

Sayan Mitra, 8th September, 2022



 **connected
to breadboard**

ADC

Potentiometer

Running python code

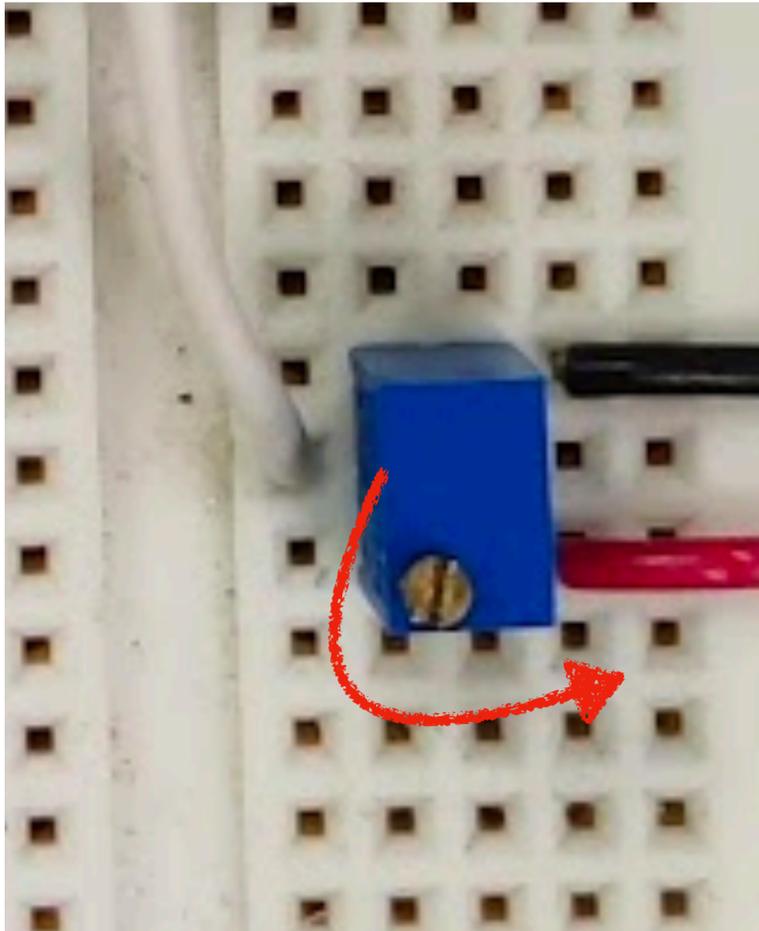
- **Travis -> Set up the breadboard circuit**
- **Noah -> Downloaded a tutorial program**
 - **Measure the voltage from potentiometer**
- **Modified the code to spell 'HELLO WORLD!'**

Running python code

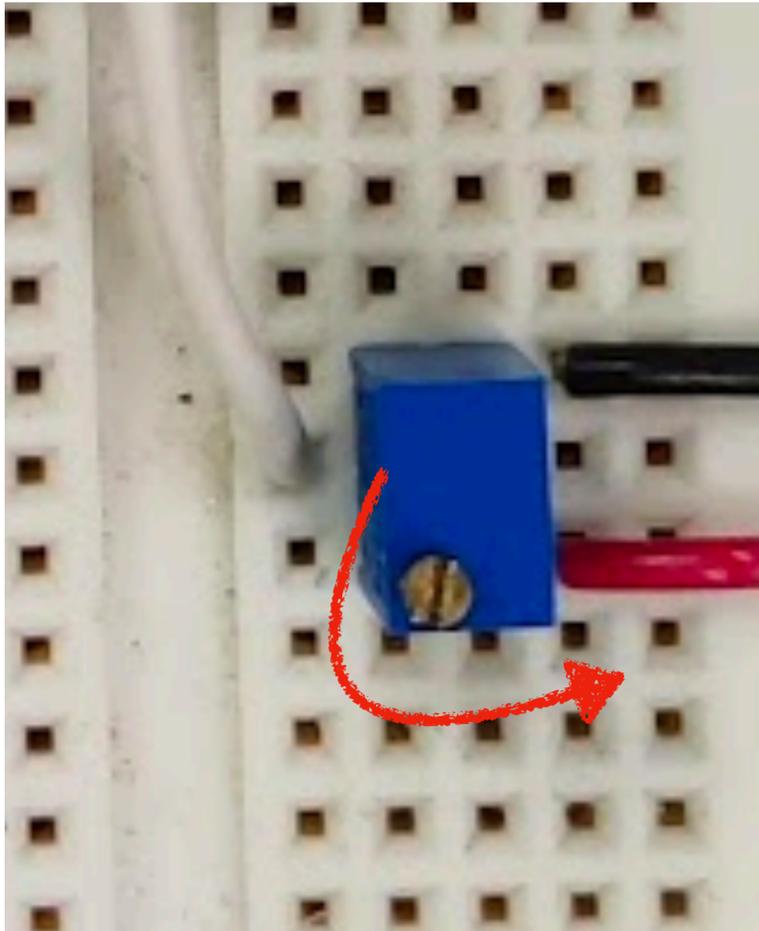
- **Travis -> Set up the breadboard circuit**
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Running python code

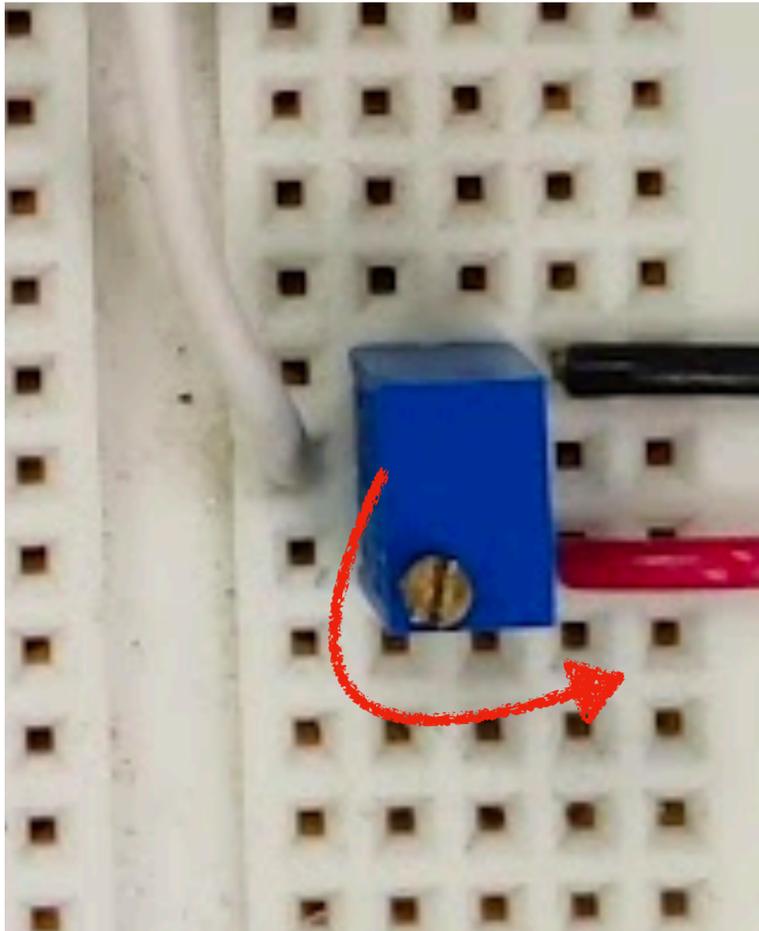
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```
Raw ADC Value: 5312  
ADC Voltage: 0.2674845502403296V  
H
```



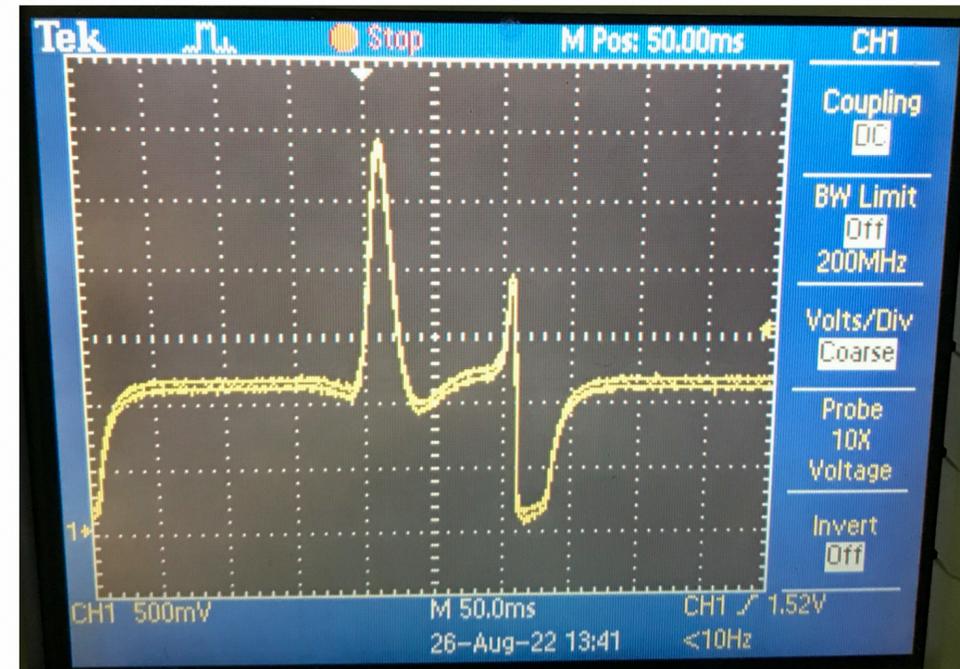
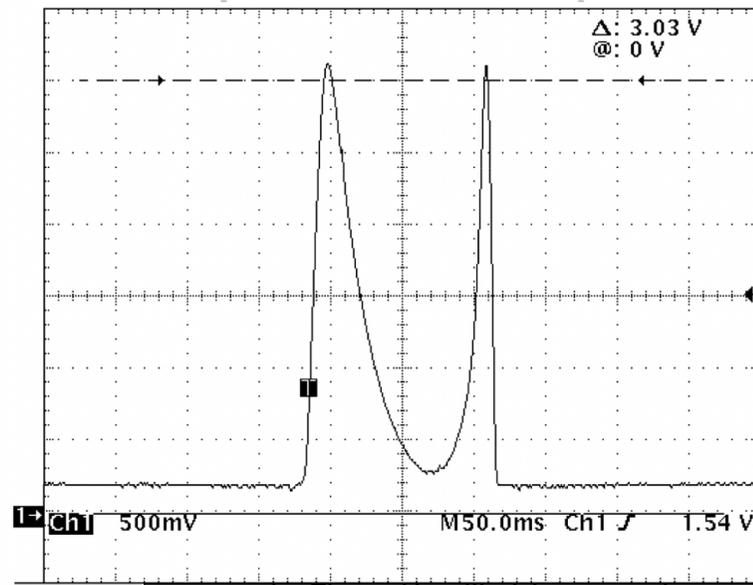
```
Raw ADC Value: 5312  
ADC Voltage: 0.2674845502403296V  
HE
```



```
>>> %Run code.py  
Raw ADC Value: 5312  
ADC Voltage: 0.2674845502403296V  
HELLO WORLD!!
```

Next steps

- Figure out how to generate this analogue signal:



- Figure 5: Scope trace showing voltage at phototransistor collector as bubble passes through the photogate. The gas was argon and the bubbler was filled with oil.

or

- How the signal looks like for different flow rate, bubble size

Thank you!