Lit Alert Post #2

Required Materials -

- Soldering iron - (Have)
- Solder - (Have)
- Dog vest - (ordered)
- Battery - (required understanding of specific micro controller and power needs)
- Sensor - (LMT70YFQT)
- Micro controller - (Adafruit HUZZAH32 – ESP32 Feather Board or Particle Photon)
- App. - (outsource after better understanding of appropriate micro controller and associated issues)
- Sewing machine - (Have can trouble shoot issues)
- 3D modeling - (Have, used for producing housing for micro controller)
- 3D printing - (Have, used to produce micro controller housing)

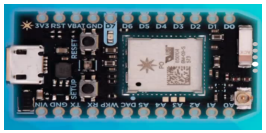
Timeline -

- March 7th - Decide on micro controller and temp. sensor, Order.
- March 14th - Receive all materials
- March 21st - assemble all hardware and test
- March 28th - Successful testing of hardware and coding associated and communicate and conclude interaction of hardware and app interaction.
- April 4th - Install hardware in K9 vest and test all aspects of hardware and software communication and interaction. Test vest on living creature and troubleshoot potential issues.
- April 11th - Photo documentation, visual presentation materials, refined verbal presentation and understanding.

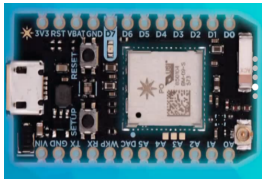
Dog vest

LMT70YFQT OR SIMILAR

Particle Photon



Feather

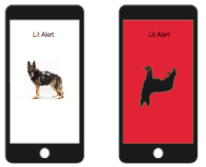


Adafruit Feather 32u4 Bluefruit LE - with or without headers

$29.95

Lithium Ion Battery - 3.7v 2000mAh or similar

Simple High/Low app.



Good Bad