Smart Watering System:

# Minimum Features:

* 3D printed enclosure.
* Working pump and sensors.
* A living plant to display.
* OLED output for all sensors.
* Video presentation.
* Controllable through Adafruit.io feeds.

# Desired Features:

* Timestamping and clearly displaying the sensor data to the OLED.
* Neopixel ring to mapped to soil moisture level.
  + Can be turned off through the Adafruit dashboard.
* OLED cycling though sensor data with a timer.

# Anticipated Components:

* OLED.
* BME.
* Seeed Grove Dust and air quality sensors.
* 3D printer filament.
* Pump.
* Neopixel ring. (Maybe)
* Capacitive soil moisture sensors.
* A living plant.
* A breadboard.

# Concerns and Considerations:

* None currently.

# Design Ideas:

* Enclosure will be a 3D printed ring shaped reservoir made of translucent PETG.
* Flowerpot will sit in the center of the ring, with the breadboard behind the pot and the OLED at the front.