**CoPilot**

Check out my website for more info: http://joelzeller.wixsite.com/copilot

**Setup:**

* Get Kivy: <https://kivy.org/docs/installation/installation-rpi.html>
* Get Kivy Garden: <https://kivy.org/docs/api-kivy.garden.html>

<https://kivy-garden.github.io/>

* Get KivyMD: <https://gitlab.com/kivymd/KivyMD>
* This should install garden and then recycleview, and that should be enough to get it working
  + pip install kivy-garden
  + garden install recycleview
* Python Version 2.7.0 is recommended

\*\*\*You will need clock.kv, main.kv, main.py, and the data folder placed in a directory on your pi - mine are located at /home/pi/CoPilot\*\*\*

* Setup to autorun on boot like I do or just run main.py

**Recommended Hardware** -

- Raspberry Pi 2 or 3 – increase the GPU memory to its max setting using raspi-config

- Set up a RTC to keep time since Pi won’t be connected to the internet at all times

- Temperature Probe – place probe wherever desired, mine is inside the car

- Bluetooth OBDII dongle for car (for use with performance pages)

- Leds (Look in code for which GPIO is used)

- If you want to interface with an old radio, hook up relays to the old buttons and connect to the appropriate GPIO pins

- Two push buttons for Hotkeys (Look in code for which GPIO is used)

**How to use:**

**To use developer mode**:

- This turns off things like GPIO, temp probe, and OBD stuff as it doesn’t place nice on a computer other than the Pi.

- Change the “developermode” var to 1. Change this to 0 if you’d like to use all of CoPilot’s features.

**To view current temp:**

- Make sure "TempProbePresent" variable in code is set to 1 - if not, temp will be "--"

- Tap under time on home screen and bubble will float unto screen showing temp - tap again to hide

**Email me at joelzeller25@hotmail.com with any questions :)**