

Memo

To: Kevin Pintong
From: Zak Rowland
Date: October 23, 2020
Re: Memo 2

During the past two weeks, I haven't made much progress. Last week, I used the Raspberry Pi 4 for the first time. I installed Raspberry Pi OS onto the SD card and booted it up. While it was updating, I noticed an undervoltage warning appeared quite a lot. Hopefully supplying power isn't an issue, however I can eventually design the battery circuit to supply enough.

I looked through the OS and tried out all the included applications including the Thonny Python IDE where tested "hello world." I began thinking about how making a GUI would work so I started the Python GUI tutorial on the official Pi website. I had to install a library called "guizero." I was able to make a window with a title and text inside, and it seems it will be simple to make a text-based GUI. However, animations for something like a digital gauge could be tricky.

I also worked on the preliminary design discussion and almost finished all the material needed for it. My next priority is finishing the preparation for the discussion and start making schematics. I'm worried making schematics will be a struggle since I'm getting pretty burnt out from the term already.

Total time worked: 4 hours

Schedule / project management (Trello):

<https://trello.com/b/57kp2fr0/zaks-senior-project>