

Journal 4

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1 Progress Log

Got data permanence working; Switched from internal storage (which I realized is private) to external storage, so that the files are publicly available and Lance's neural network can read from them.

Tested the pairing with the Bluetooth module and found that it does not show up in the devicelist in the application. I will try to make it scan automatically whenever the device is reopened/pair button is pressed.

2 Next Steps

Data permanence with .csv files. Perhaps send the file via email to the user as well.

- Scan for devices on startup and when the "pair" button is pressed.

- Refactor some of the code. Implement it in a cleaner fashion.

- Ensure that the led application functions correctly once it has been connected to the circuit.

- Rewrite the led application such that it works with the sensor modules.

- Place the sensor modules within the stick and begin collecting data for the neural network.

3 Reflection

Concerningly, my phone could also not pair with the device from the Bluetooth system settings menu. However, it was able to connect from the BLE application my partner Patrick had been using to communicate with it. Hopefully this will be resolved by forcing the application to rescan for devices and connecting from the application rather than the Bluetooth system menu.