To work towards a more sustainable future in software development, ive decided to start keeping these readme logs. I just spent a summer at an org with horribly documented code and its made me want to change mine as well.

File structure

release is the current working model deployed on the device

The following functions are all from the BMI270 api by bosch sensor tech

- `bmi2_defs.h`
- `bmi2.c/h`
- `bmi270.c/h`

`common.c/h` holds the interface functions that enable the rp2040 to use the api

My functions were:

- `main.cpp` holds the main method - performing all system initialization on multithreading / repeated timers
- `imu.cpp` abstracts away most of the boilerplate imu code.

Dependencies

BMI270 library from bosch sensor tech

Troubleshooting Notes

Note that the RP2040 cannot do I2C writes greater than ~128 bytes, so the 8kb config file command is incompatible.