Observation 2:

**SD/OS**

Another struggle our team faced when using Intel’s Galileo was keeping a persistent sketch on the board after unplugging the USB serial port as well as the outlet power supply. The only way this board was able to retain a sketch was through the use of a micro SD Card. Even with the card, if the outlet power supply were detached, the sketch would no longer be available.

The Intel Galileo is a Linux-based Arduino compatible development board that’s driven by Intel’s x86 architecture. Although it has the ability to run the Arduino IDE, in order to perform software or file-system maintenance on the board, you must utilize the Linux command-line terminal or upload additional software. It is published that Intel architecture features between 256KB and 512 KB dedicated for sketch storage, but the installation of firmware updates maybe the reason this storage was unavailable for use for our sketches. In order to save sketches to the SD card after powering down, the Galileo must boot from the SD card with the LINUX IMAGE FOR SD for Intel Galileo installed on it.