Firmware - DD

Algorithms

-> using accelerometer to turn on display with flick of wrist

-> power saving mode (detect VBATT and turn off peripherals when too low) (use PPG to determine when on someones wrist)

-> tapping display to change screens

- only show heart rate if its great enough

-> class based firmware

Bugs

-> RTC - using 12 hr format

-> fix incoming phone number format

- show charging on display

Firmware for new hardware

- use transistor as voltage protection to LDO?

Hardware

-> buck

-> MPU 9250

-> SPI Flash

-> heart rate sensor

-> wirelss charging

-> colour display

-> BLE

-> GPS

Velocity