# **Sensor Platform**

# PSU Capstone Project

# WPR

Last Week: 4/10 - 4/17

Next Week: 4/18 - 4/24

# Colten Nye

## Last week:

* GUI:
  + Completed save/load to disk functionality
  + Added selective show/hide panels
  + Merged serial window with main window
  + Began migrating serial functions to angular.js
* Resolved github branch merging issue
* Programming protocol:
  + Wrote a program for parsing a series of strings into a config struct, which includes an array of sensors.

## Next week:

* Explore the idea of embedded C code within the JavaScript scope
* Study the documentation on stm32 USART / DMA
* Determine whether the config struct should be created on the GUI side or the stm32 side.
* Finish serial connection / disconnection in the GUI

## Issues:

* Stm32 may not support scanf(), which is integral to the way I initially implemented the programming protocol, meaning I may have wasted my time. Though I can probably scavenge much of what I wrote for whatever way we decide to do it.

# Golriz Sedaghat

## Last week:

* Met with Steve last Monday, and populated one more main board.
* Revised the test plan document
* Purchased and ordered some more components

## Next week:

* Start testing the boards
* Start on the poster
* Do research about initializing SD card in HAL drive

## Issues:

* Testing the boards
* Getting SD card to work
* Starting on poster