Last updated 11/5/18

- Development
 - Comment, comment, comment
 - Break your code into sections
 - FILES
 - Functions
 - ISRs
 - Start simple, then get complicated
 - Use fixed values then switch to parameters
 - Do it 4 times then do it 4000 times then do it N times
 - Code and test each section
 - Verify interfaces often
 - Comment, comment, comment

- Debugging
 - 1. Check the compile/make messages
 - 2. Use Debugger
 - Breakpoints / single step
 - Watch program flow
 - Verify intermediate variable values
 - 3. Bring out intermediate signals
 - 4. Check the assembly code
 - 5. Ask someone else to look at it
 - This is where comments will help you or kill you
 - 6. When you don't have a scope probe or DMM use an LED to test signal levels
 - Slow things down so you can see them

- Hardware Issues
 - 1. Check/recheck the wiring
 - Try tying MSP output wires to VCC and GND to test LED operation
 - 3. Try tying MSP input wires to VCC and GND to test digital and Analog inputs
 - 4. If your MSP power light turns off you have shorted VCC to GND

