# Miscellaneous

* Setup VSCode for Arduino
  + <https://medium.com/@thomas.kilmar/arduino-cli-with-visual-studio-code-on-macos-d2ad32ff0276>
  + <https://www.circuitstate.com/tutorials/how-to-use-vs-code-for-creating-and-uploading-arduino-sketches/#:~:text=Launch%20VS%20Code%20and%20from,version>)%20installations%20on%20a%20system.

Status Review/Hello World Goals

* Fritzing Diagram (work with Nida) (10/22) DONE
  + What on earth is the flow of this? DONE
  + Notion questions DONE
* Video Reading Button data with multimeter (10/19) SKIP
* Arduino Script to read the button data (10/21) DONE
* New GPIO pin expander (buttons and rotary encoder) (10/20) DONE
  + Document the circuit for this version
  + Figure out best way to read data DONE
  + Might have to solder on pins? (10/19) DONE
* Verilog Drawing (Standard Master to Slave Drawing + neat timing diagram) (10/24-10/25)
* Video of FPGA led demo + screenshots of the steps (10/22)
* How on earth does a pull-up resistor work (do I want to add one?)
* Start thinking about what schematic I need for using the pins we ordered