Links for Research:

* <https://electronics.stackexchange.com/questions/112347/how-to-make-a-peak-detector-circuit> - Gives an LTSpice simulation results and schematic for a peak detector that gets both the high and low peaks of an analog signal. Expects the output of this circuit could be the input to an arduino for sample and holding values
* <https://be189.github.io/lessons/25/sample_and_hold.html> - basic arduino code for sample and hold circuit (not implemented by me yet)