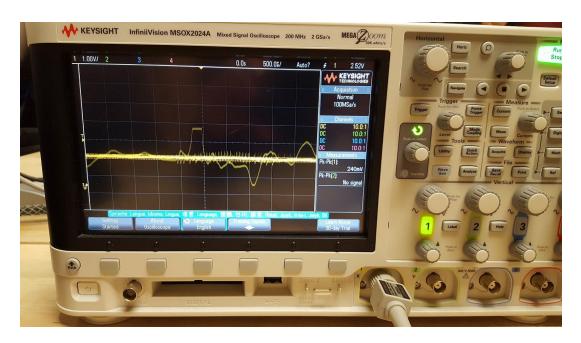
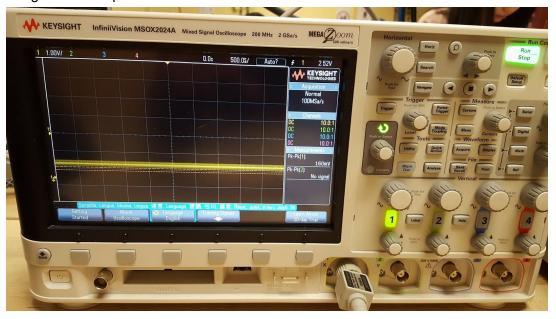
Mark Lui (A12961583) Michael Shum (A99005222) Michael Li (A12420469) Raymond Yu (A13113740)

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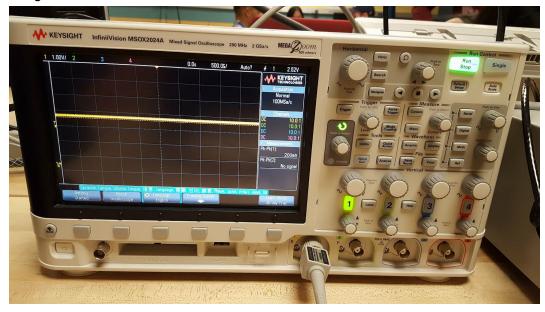
Range of Audio Signal: 1.6V - ~2.2V



Range of Envelope: 170mv - 1.6V



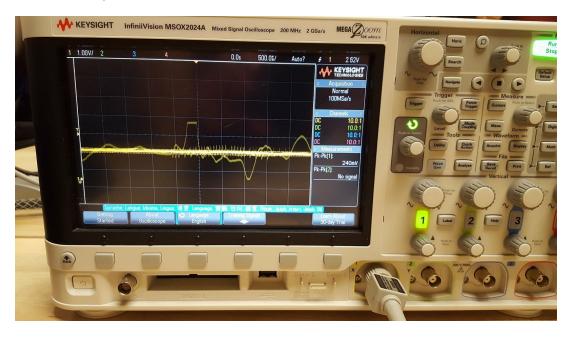
## Range of Gate: 3.35V



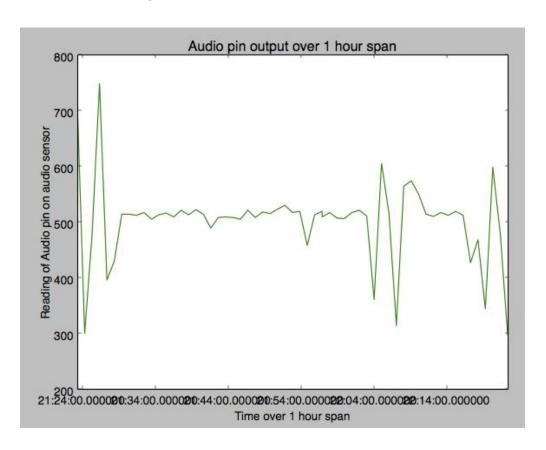
The ranges for the 3 values seem correct, ranging from Vdd, 3.3V, to 0V.

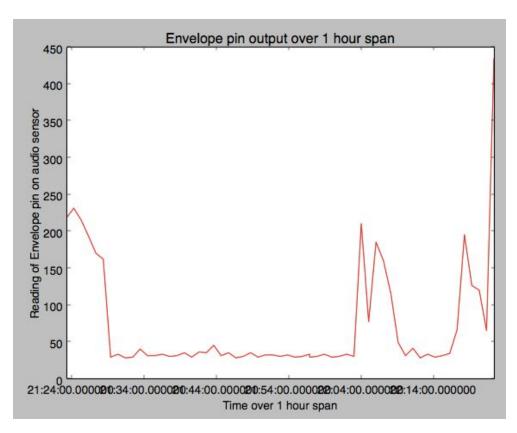
Because we were told to wire 3.3V to the sound detector, our circuit was not incorrect in the first place.

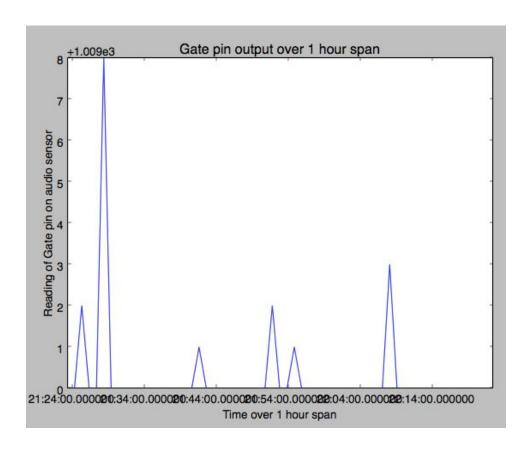
When we wired CH1 to the audio pin and CH2 to the input of the MCP3008, we did not see any differences in the signals -



## SmartSound readings







This sensor data was obtained in the Maker Lab. It wasn't too loud, but we started clapping to vary the data of the circuit.

