**Vyacheslav Perepelytsya**

**Progress Report**

Financial status: I have paid for all my parts needed, I have an extra sound sensor just in case, my last purchases were a cheap usb keyboard and usb mouse to control the raspberry PI.

Blog/Documentation: My blog is up to date, I documented all my activities there. You can see it here:

Milestone: I’m ready to demonstrate the basic capabilities of my sound sensor, I can graphically display different levels of sound captured on the screen. I have met prior milestones.

Activities: I’m starting work on Fritzing and the second sound sensor; I’m planning to add a statement in the code that can detect a persistent noise level (sound over a threshold level over a period of time). I’m getting ready to write the build instructions.

Problems: As of 12/21/2017 my sound sensor doesn’t seem to work with an integrated PCB, although the sound sensor and PCF get powered the sound level from my program is constantly displaying “-1” which doesn’t make sense (It means the mike is reading too high levels, as the lower the number - the higher the decibel level it implies. I first plan to check if my PCB lost some connectivity, if it didn’t, I will have to look into a calibration or coding/support issue.