Abstract

Basics of the project

This basic idea of the project is to have a device that, can not only measure sound output, but also store those sound levels in a database along with the time the sound level was recorded.

Why we’re doing it

We’d ultimately like to have many of these devices used in the community to record and store sound levels to obtain high volumes of data that can analyzed for trends using Deep Learning.

Technology we’re using

The technology used in the project is split into three components. There is the hardware component, the front end component, and the backend component. The front end is designed with HTML, CSS, Javascript, and Node ejs files. The backend is designed with MySQL, Node, Express, and Python.