

Jason Jiang and Kenneth Park

## Project: CS35

### Progress:

We had some progress this week on our program. There was not a lot to be done this week since it was our spring break(Claremont High School) and we were travelling with family, but we did manage to meet up and work on the project. What we mainly did this week was downloading and testing the library that we found, Pyo and testing the equipment we need to use for the data collecting part of our project, the Mindwave. Pyo is for audio signal processing which will probably be quite useful for our project. There was a tutorial and documentation on the Pyo website for us to use so that was helpful. We also experimented with the Mindwave a bit more this week. We figured out how to get it to work better to respond to the wearers electrical waves and messed around with some of the pre-build programs that was on the Mindwave website. This week was less coding and more experimenting with the tools we have at hand. Our project is coming along steadily, and the hard part is learning how to use those tools.

### Next Week:

With this weeks testing/experimenting done, next week we will be working on the actual coding part of our project. Now that we have an understanding of how to use the library and Mindwave, our next step is to build the program that collects the data, and that is our goal for next week. We will be collecting the data from the Mindwave, and our plan is to collect the data in as waves and then converting them into numbers. This way, it will be easier to achieve the ultimate goal of mixing the different songs, or data, that we collect. We believe that this is were the library Pyo will come in handy, since we will be dealing with music and waves. This will be the main building block for our project, so we would like to get this part finished first. We still are not too sure on how best to go about building this program, but we are positive that as we progress, the structure of it will come to light. We might need to find a new library in the process, as Pyo might no suite our purpose to the full extent. We are giving our presentation in 1 week, so we hope to have the data collecting part finished by that time.

