



Please make a copy of this document and include this in your GitHub repository for your submission, using the tag #AndroidDevChallenge

Idea

To give deaf people possibility to feel sounds.

A program that turns sounds into phone vibrations.

ML may be used to better distinguish voices(for example music tones) and to make physical vibes smoother providing richer user experience.

A final product can be provided as 3rd-party library(for example as a “Vibe player”) or integrated into OS level like Live Captions.

Potential products using this technology:

Vibe creator/editor. Consider vibes as information units, just like photo or video.

Bracelet with sensors for sending/receiving vibrations.

Describe in 250 words what the feature or service will do and how you'll use Machine Learning to push the bar:

Tell us how you plan on bringing it to life

1. Some potential code scribbled in one day.

<https://github.com/grigoryazaryan/Vibeo>

2. Google help:

a) I need an ML professional as I don't have practice in it

b) Is it possible to make [VibrationEffect](#) available in API levels < 26?

3. Timeline:

by March 15, 2020 - research, identify patterns, create, train, test models

By April 1, 2020 - implement

Describe where your project is, how you could use Google's help in the endeavor, and how you plan on using



On-Device ML technology to bring the concept to life. The best submissions have a great idea combined with a concrete path of where you plan on going, which should include:

- *(1) any potential sample code you've already written,*
- *(2) a list of the ways you could use Google's help,*
- *(3) as well as the timeline on how you plan on bringing it to life by May 1, 2020.*

About me

Software dev who tries to develop something valuable for the world. Just a human who loves helping others.

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A great idea is just one part of the equation; we also want to learn a bit more about you. Share with us some of your other projects so we can get an idea of how we can assist you with your project.