**\*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.

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

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

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](https://developer.android.com/reference/android/os/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.