



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

Tell us what your idea is.

My idea is to make an application that uses the camera to translate the sign language in real-time, in this application I intend to use machine learning to interpret the signs made by the person in front of the camera to text or audio and in a next phase to perform the reverse operation

Tell us how you plan on bringing it to life.

The application at this time is just an idea and I would like to use Google's help to train me in Tensorflow, more specifically in the image classification model and in the pose detection model.

To create this application, I would need to use the TensorFlow image classification model and the pose estimation model, the pose estimation model would help me detect the change of the person's pose to use the image classifier to identify the sign you are making and bring the text associated with this sign or match it with the previous or subsequent signs to form words.

Tell us about you.

Grandson of smallholder farmers, history student of the University of Antioquia and Empirical Software Developer. I am bilingual and have worked in organizations and companies in the public and private sectors. I have traveled the world forming people in the implementation of applications that improve the production processes. For two decades I have been a volunteer Scout, trainer of children, youth and adults

Next steps.



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- Be sure to include this cover letter in your GitHub repository
 - Your GitHub repository should be tagged #AndroidDevChallenge
 - Don't forget to include other items in your GitHub repository to help us evaluate your submission; you can include prior projects you've worked on, sample code you've already built for this project, or anything else you think could be helpful in evaluating your concept and your ability to build it
 - **[The final step is to fill out this form to officially submit your proposal.](#)**