**\*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.**

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

**This is an assistant app for babies and kids who use a smartphone at an early age. This can prevent kids from harmful advertisements by skip or 'x' button detection and tracking. It is difficult for babies or kids to determine which one is a good or bad advertisement. Furthermore, they usually click any button unintentionally. For these reasons most parents have to watch their babies and have to click the skip button every day. I believe they need more another intelligent finger instead of their parents who are always busy. So I called this "AI finger" that can click the skip button instead of kids. To train new abnormal ads the AI Finger gathers screen capture of the ads and submit the dataset to the cloud. Then, updated the agent can be inferencing more accurately on the smartphone.**

**As per Android advertisement policy, it will be able to set various modes on the Android Setting Menu.**

**Tell us how you plan on bringing it to life.**

*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.*

**I think I just need two major parts like below until the end of March, 2020:**

* **Need a Tensorflow Lite for inferencing on the device.**
* **Need a Google Cloud Computing for uploading, retraining, and deployment to the edge**

**Tell us about you.**

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.

**I’m a senior research scientist and currently researching and making a control intelligent agent on the edge device. I use a reinforcement learning for decision making logic, and RNN for time series forecasting. This year, I have commercialized energy control reinforcement learning agent in a real factory. So I want to try more new challenge through this competition.**

**Next steps.**

* 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.**](https://docs.google.com/forms/d/e/1FAIpQLSe43koQL33IzgxXQl29Ex3AhFuqd4hQzxLiXREqwRkDGtx1vA/viewform?usp=sf_link)