



## Android SuperOS

Phones tend to get slower over time. There are multiple reasons for this phenomenon: As newer, more powerful phones get released, app developers make use of the added computing power, or simply do not optimise for slower hardware, which will then cause older phones to slow down. As more apps are installed, more services will be running in the background, which in turn will drain the phone's computing resources and slow it down. Perhaps, manufacturers even do this on purpose to make people buy new phones.

In any case, for us consumers, who just want to keep their phones for two years without having to endure massive slowdowns, this situation is annoying. We have done quite a lot of work regarding measuring the real-world performance of phones and detecting unusual behaviour. However, Google seems to be closing off Android more and more, which makes it difficult to be effective without having Root privileges. Therefore, we want to go a step further now, and create a custom ROM for android that not only measures performance in a real-time manner, but also does anomaly detection and schedules computing resources to keep your phone snappy for a much longer time.



If this sounds interesting to you, do not hesitate to contact us so that we can have a chat.

**Requirements:** Creativity and programming skills. Experience with the Android system and knowledge of Machine Learning is an advantage. In this project, you will create your own Android OS from the AOSP.

**Interested? Please contact us for more details!**

### Contacts

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