



BA/MA/SA/Group/Lab:

Battle of the Smartphones

A smartphone's performance is about more than just processing power. Other important factors include screen and camera quality, WiFi and cellular performance and the accuracy of its sensors. Some companies do sophisticated analysis of camera performances, but this requires expensive specialized equipment. WiFi and cellular performance can be tested, but it involves manual setup and requires careful controlling of the test environment.

The goal of this thesis is to develop a method to measure the performance of these components without requiring specialized equipment. We envision having an Android Application that allows two people to have a battle by letting their phones fight against each other. Every time such a battle finishes, we get information about the phones involved and which one was judged superior. With time, this kind of crowd-sourced data collection would allow us to improve the accuracy of our rankings, even if the underlying benchmarks themselves lack in accuracy.

If this sounds interesting to you, please do not hesitate to contact us so that we can have a chat. The ideas mentioned above are just our rough thoughts on the topic, and we are open to your input! The direction of this thesis will be decided in large parts by the interests of the student(s).



Requirements: Creativity and an interest in Software. Prior experience with Android programming is an advantage. The student(s) should be able to work independently!

Interested? Please contact us for more details!

Contacts

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