



Prof. R. Wattenhofer

## Android Live Performance Monitor App

In order to measure the real-world performance of a phone, we need to measure performance metrics during daily usage. This is difficult, especially since there are no helpful Android APIs. Seemingly trivial things like monitoring RAM and CPU usage are also not possible, mostly because polling them causes huge overhead and slows down the phone considerably.

We have investigated the feasibility of measuring real-world performance in previous projects, and have implemented a proof-of-concept app. For this thesis, we would like you to create a finished app that helps users detect slow-downs of their phones and help them find the causes, based on the knowledge we gained in previous projects. If this sounds interesting to you, do not hesitate to contact us so we can have a chat. We would love to hear your ideas about this project!

**Requirements:** Creativity and programming skills are an advantage. The student(s) should be able to work independently!

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

### Contacts

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