Prof. R. Wattenhofer

Smartphone Finder

Every year dozens of new smartphones are released. Many people buy a new smartphone every two years or less. Thus, in order to make good buying decisions, we need to stay informed about all the new releases. For some people this might be fun, but for others it can be very cumbersome. Furthermore, we usually only see the smartphones that are heavily marketed, and might never even consider phones from lesser-known brands, even though they might fit our preferences better.

Of course, just because a phone seems good on the outside (nice materials, high screen-to-body ratio, wireless charging, etc.) does not mean that it is actually a good phone. The software aspect of things, e.g., the vendor's customized versions of Android, can have a big influence on user experience. So on top of everything we also have to read through user and professional reviews. As part of previous work, we have created a website[1] that crawls and displays data about smartphones and review websites. Furthermore, we implemented a phone finder functionality that let's users search for the "perfect" smartphone.

In this thesis you will expand and improve the phone finder functionality, improve the web crawlers, optimize the performance of the website, and more. There is also the possibility to do Machine Learning (especially Natural Language Processing) using the texts of smartphone reviews. If this sounds interesting to you, do not hesitate to contact us. We would like to hear your ideas!

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

Interested? Please contact us for more details!

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[1] www.smart-phoney.com