



BA/MA/SA/Group/Lab:

## Fooling the Android Permission System

When installing an app on an Android system, the user gets a chance to review which phone features this app will be able to use. These permissions allow us to perform a preliminary sanity check. For example, I would get rather suspicious if a game would require the permission to read my text messages.

However, this permission system can only give a very rough idea of what an app actually is capable of. The motion sensors that are built into almost every new phone for example do not require any permissions, and can be utilized without the user knowing at all. In addition to this, those sensors can be used to accurately track the orientation and acceleration of the phone, which could be used to infer user behavior.

The goal of this thesis is to find ways to bypass the android permission system. We would like you to come up with your own ideas on how to reach this goal. However, if you are interested in the topic but do not have an idea yet, do not hesitate to contact us.



**Requirements:** Creative thinking, advanced programming skills, the determination to put your ideas into action, and the ability to work independently are necessary to work on this topic successfully. Android programming knowledge is helpful but not mandatory.

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

### Contacts

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