



BA/MA/SA/Group/Lab:

## Magic Public Transport Information

With the introduction of powerful smartphone apps, finding the best public transport connection from A to B has become extremely simple. While these apps are great tools to navigate through the unknown jungle of bus stops and train stations, they lack features to streamline the daily commute between home and the workplace.

However, a large portion of the population uses public transport to get to work and back every day. Of course, the route or connection is known before hand. But still, it would be interesting to know whether or not there has been a delay on that connection. For connections that run in short intervals, it might also be helpful to know whether leaving now is ok or leaving 5 minutes later will still bring you home at the same time.

The goal of this thesis is to optimize public transport usage when connections are known or can easily be learned. The focus therefore lies on aggregating information about current delays as well as user behavior. This data should then be used to guide the user to the designated bus stop or train platform just in time.

**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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