



Migrating the Maat framework to C++

In this project, the student has to migrate the Maat Framework to C++.



In the future, the controller logic of the Carrera demonstrator should run on automotive hardware which mainly supports C/C++. Therefore, a misbehavior detection system is required which is not written in Java or Python. Maat, which was developed by van der Heijden to analyze the VeReMi dataset, is written in Java and only batch processing log files. So in order to implement Maat into the Carrera demonstrator, it has to be ported into C++, the 3rd party libraries need to be exchanged for C++ versions and the logic adapted to process a data-stream. This migration has the additional benefit, that (the stream version of) Maat can be implemented into the VEINS framework for an in-time simulation.

This project is suitable for students with knowledge of Veins/Plexe or those willing to learn these simulation tools.

Michael Wolf | michael.wolf@uni-ulm.de | 027-3210

If you are interested or you need additional details, feel free to contact me or drop by for a non-binding chat.

