

IT CAN BE COMPLICATED. TEAMWORK SHOULDN'T BE.

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We at BMW Car IT GmbH take the responsibility for software across domains. By delivering software all the way from the idea to the final product we lead BMW into the future of digitalization.

Working student or Thesis "Static Analysis Tools Applied to the Linux Kernel"

The Functional Safety Team at BMW Car IT is interested in assessing and improving the software quality of the Linux operating system.

Your mission is to apply available static analysis tools, e.g. Facebook/Infer, Coccinelle and KLEE, analyse the results of these tools, and contribute to the development community in the Linux kernel.

As part of that activity, you will get an in-depth insight of the Linux kernel development and the current state of applications of static analysis tools.

Requirements:

- very good knowledge of C programming language
- good knowledge of Linux kernel source code & build tools desirable
- knowledge about the interaction in an open-source project desirable
- general knowledge on static analysis techniques and tools
- solid experience with the Unix shell

Location: Munich

Contact: students@bmw-carit.de

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