



The design center DMOS GmbH in Dresden develops customer specific mixed signal integrated circuits for smart power applications, mainly used in the automotive industry. Our ASICs and ASSPs are also used in smart home appliances or the “industry 4.0”. The company owns a building, with excellent work and development conditions close to Dresden Main Station.

The DMOS GmbH is a subsidiary of the Elmos Semiconductor SE.

Internship/ working student at DMOS GmbH

Evaluation of the Verilator Open-Source Platform for Digital Verification

Our interdisciplinary development teams design highly complex automotive ASICs and standard products with maximum reliability. To strengthen our design teams in the area of verification, we are looking for highly motivated students for internships or part-time student positions.

During this internship/part-time student job the following tasks are to be solved:

- Familiarization with the topic of modeling SystemVerilog HDL code
- Analysis of relevant requirements for C++ and SystemC code in the digital verification flow
- Development and comparison of typical use cases, including a comparison between the original HDL code and the model
- Documentation of the results

Our requirements:

- Currently pursuing a degree in electrical engineering, information systems engineering, computer engineering, or a related field
- Knowledge of SystemVerilog, C, C++, scripting, and Git/SVN
- Meticulous, structured, and independent work style
- Basic knowledge of Linux
- Experience with simulation tools such as VCS and Verdi
- Willingness to collaborate on other related topics in the field of modeling

This is what you will benefit of:

- Equitably remuneration
- Interesting and challenging tasks in an international environment
- Comprehensive introductory and training programs
- Competent co-workers
- Flexible working hours, company events and social offers

dmos⁺
member of the elmos group

Interested? Apply for it!

Send us your application as PDF file by mail.

We are looking forward to get to know you in person!

Contact:

DMOS GmbH
Bergstraße 4
D-01069 Dresden

Tel.: 0351 / 479 42 – 0
dmos-bewerbungen@dmos2002.de

www.dmos2002.de