

# DIPLOMAND DRIVER ASSISTANCE SYSTEMS (F/M/X).

SHARE YOUR PASSION.



World-leading technologies don't make it into a BMW until they've undergone one of the most challenging journeys imaginable. It takes dynamic teams with outstanding technical skills to take them from the drawing board to the road. That's why our experts will treat you as part of the team from day one, encourage you to bring your own ideas to the table – and give you the opportunity to really show what you can do.

Extensive testing is necessary for the assessment of automated driving. Virtual tests like simulations can help in the assessment process, for example by estimating the effects of automated vehicles on the overall traffic.

## Diplomand Driver Assistance Systems (f/m/x).

Job reference: 22588

### What awaits you?

- You will join the team that develops methodology and tooling enabling the virtual assessment of automated driving.
- Literature review about the identification and interpretation of traffic spaces.
- Developing a method for the evaluation of traffic spaces in simulations.
- Applying the developed method to analyze the impact of automated vehicles on the traffic space.
- You will apply your knowledge in statistics, numerical methods and data analysis that support the virtual verification and validation of automated driving.

Please note that you must ensure that the thesis is supervised by a university.

### What you should bring along?

- Studies of Applied Mathematics, Computer Science, Electrical/Mechanical Engineering, or similar.
- Writing of a Thesis or Paper.
- Advanced skills in Git, Python, i and C++.
- Knowledge in data analysis, statistics, and software development on Linux systems.
- English business fluent and teamwork/communication skills.
- Basic experience with orchestration using Docker and OpenShift would be a plus.

**Location:** Munich

**Earliest starting date:** As of now

**Duration:** 6 months

**Working hours:** Full-time

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