YOU CAN'T PREDICT THE FUTURE. BUT YOU CAN PROGRAMME IT.

SHARE YOUR PASSION FOR DEVELOPING SOFTWARE.

Senior Virtual Simulation Developer for autonomous driving (f/m/x)
Job reference: 118428

Our autonomous driving department is at the cutting edge of shaping tomorrow's mobility. But before we unleash autonomous driving on the world's roads it must first be tested to the limits in games-engine-driven virtual environments. It takes exceptional know-how, passion and dynamic teamwork to develop simulation software that can test and validate virtual driving over millions of kilometers. And that's where you come in. Your role will be to develop uncompromising autonomous driving simulations utilising state-of-the-art games engine software. You will develop algorithms and infrastructure for testing, validation and evaluation at all levels of the autonomous vehicle's architecture – and take responsibility for their testing. Working in our brand-new Autonomous Driving Campus you will work hand in hand with our engineers to ensure a seamless integration of the simulation engine within our autonomous driving platform. In addition, you will have the opportunity to develop realistic driving scenarios for the simulation that continuously expand upon the corner cases for autonomous driving.

You should have:
- A degree in Computer Science, Game Development, Engineering or a related field.
- Advanced software development skills in C++ (14), C# (.NET 4.5), and Python.
- Expertise in developing realistic virtual environments using game engine technology (e.g., Unity and Unreal).
- A proven track record in agile software testing, test-driven development, continuous integration (e.g., Jenkins) and testing infrastructure (e.g., SIL and HIL).
- Experience with modeling and simulation of traffic systems.
- Experience with ROS (Robot Operating System) would be a plus.
- Fluent business English and good German language skills.

Are you looking for an exciting challenge? Then apply online and join our team. You can find out more about us as an employer, our entry programmes and other job opportunities under **www.bmwgroup.com/careers**.

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