

Software Engineer Functional Safety

Zurich or Munich

Embotech is a software company developing cutting edge autonomous driving technology for autonomous vehicles, with focus on private ground applications such as logistics, Autonomous Valet Parking (AVP) and mining. We are determined to accelerate the transition towards safe autonomous transportation by leveraging the core real-time optimization technology that we have been developing since 2012.

We are looking for a software engineer passionate about functional safety.

You will join a group of top technical talent (most based in Zurich, some and growing in Munich) to develop safe, efficient and reliable software for various motion planning scenarios. You will help us make automated driving safe by designing and implementing novel algorithms to cover the safety risks imposed by our core motion planning algorithms.

Responsibilities

- Develop safety-relevant software in C
- Design novel solutions to cover the safety risk posed by automated driving systems
- Take part in the generation of documentation for the certification of safety-relevant software, e.g. requirements, safety manual, test reports, etc.
- Help fostering a strong safety culture inside Embotech
- Coordinate development efforts with other members of the team

Requirements

- Master's or Bachelor's degree in electrical/mechanical engineering, computer science or similar degree
- 5 years of experience in C and C++
- Experience in the development of safety critical software (functional safety, ISO 26262, ISO 13849, IEC 61508 or similar)
- Experience in requirements management for safety critical software
- Experience with regulated development processes such as ASPICE is a plus
- Experience with real-time systems is a plus
- Analytical abilities
- Fast familiarization with new tasks, problems and environments
- Good communication skills in English

We offer an exciting job in a fast-growing company with attractive conditions and flexible hours. Embotech develops innovative products in a modern and dynamic environment, and you can expect an international atmosphere, with highly skilled colleagues with a passion for excellence and efficiency. We are looking for highly motivated people to help us solve one of the most complex challenges of tomorrow and take our company to the next level.

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