

Autonomous Driving Systems Engineer

Zurich or Munich

Embotech is an award-winning software scale-up developing cutting edge autonomous driving technology and solutions for autonomous vehicles, with focus on private ground applications such as logistics yards, Autonomous Valet Parking (AVP) and mining. We are accelerating the transition towards safe autonomous transportation by leveraging the real-time optimization technology that we have been developing since 2012. We are looking for a passionate Autonomous Driving Systems engineer.

As a new member of the recently established Safety & Systems Engineering (SSE) team, you will play an important role in deploying series of full-stack autonomous driving systems for private grounds, using elements from Embotech's core autonomous driving tech and elements from external suppliers. Your role will involve development, integration and testing of autonomous driving components and ultimately the full-stack autonomous driving system.

Responsibilities

- Deploy our software and systems in our autonomous trucks and other vehicles at our own and customer's testing facilities.
- Coordinate and execute our field testing efforts, designing tests to validate our strict requirements during the development process.
- Log data analysis and on-site problem solving.
- Coordinate hardware installation on the vehicles with our dedicated partners.
- Contribute to the design of safe autonomous driving systems in the domain of automated logistics and vehicle factories.
- Support software development of the SSE team and the ProDriver teams.
- Travel to customers or testing areas as required.

Requirements

- MSc or BSc in mechanical or electrical engineering, robotics or similar field.
- Experience with drive-by-wire systems, motion control, motion planning, perception, localization and mapping.
- Experience with embedded control applications and systems engineering.
- Exposure to automotive hardware and communication protocols (ie. CAN, Flexray).
- Proficiency in C/C++ and Python, Matlab or similar.
- Experience with autonomous driving sensors and perception algorithms is a plus.
- Passionate about autonomous driving, self-driven, team player and a hands-on mentality.
- B Driving permit required, C is a plus.
- Fluency in spoken and written 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.