

Autonomous Driving Perception 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 an autonomous driving perception engineer who is passionate about getting real systems to work.

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 designing, developing and testing the perception and localization systems for safe autonomous vehicles for driving in the domain of automated logistics (i.e. automated trucks) and vehicle factories (automated passenger cars).

Responsibilities

- Design of perception and localization stack for autonomous driving on private grounds.
- Integration of elements from external suppliers that combine into a system for safe localization and perception in a wide range of environments.
- Development of algorithms for sensor data processing where needed to satisfy functional safety requirements.
- Perception and localisation supplier management.
- Real-life testing of perception stack on test setup and test vehicles.
- Cooperate with motion planning engineers and software team to deliver a well-integrated full autonomous driving stack.

Requirements

- MSc or BSc in mechanical or electrical engineering, CS, robotics or similar field.
- Demonstrated experience with autonomous driving sensors (lidar, radar, camera), and perception and localization algorithms.
- Proficiency in C/C++ and Python, Matlab or similar.
- Exposure to automotive hardware and communication protocols (ie. CAN, Flexray) is a plus.
- Exposure to other autonomous driving fields, in particular to: obstacle motion predictions, motion planning and mapping is a plus.
- Passionate about autonomous driving, self-driven, team player and a hands-on mentality.
- 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.