Perception Software Engineer Zürich

Embotech is an award-winning software scale-up developing cutting edge autonomous driving technology and solutions for autonomous vehicles, with a focus on private ground applications such as trucks at port terminals and passenger cars in factories. We are delivering 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 vehicles to drive safely autonomously.

You will join the Perception team to play an important role in developing 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 perception and localization software and 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, develop and optimize perception algorithms for autonomous driving on private grounds.
- Test the perception stack in simulation and real-life test setups i.e. our own test vehicles.
- Document code, designs and test results concisely.
- Cooperate with systems engineers, software engineers and controls engineers to deliver a well-integrated full autonomous driving stack.
- Perform reviews of requirements, test specifications and code.
- Stay current with latest advancements in the field to continuously improve and adapt perception systems
- Travel to customers or own testing areas as required.

Requirements

- MSc or BSc in robotics, mechanical or electrical engineering, CS or similar field.
- Demonstrated experience with LiDAR and camera. Sound knowledge of perception and localization algorithms.
- Ability to write production-level code in C++
- Experience with one or more of the following is a plus:
    - ROS, OpenCV, PCL, Docker, CI/CD.
    - Nvidia HW/SW ecosystem
    - Autonomous vehicle safety standards.
    - Other autonomous driving topics like motion planning, mapping etc.
    - Python, Rust
- Passionate about autonomous driving, self-driven, team player and a hands-on mentality.
- Fluency in spoken and written English.

Preferred starting date for this position: **ASAP**

We offer an exciting job in a company in a key growth phase 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 safety, excellence and efficiency. We are looking for highly motivated people to help us solve the most complex challenges of today and take our company to the next level.

Contact:
embotech AG
Giessereistrasse 18
CH-8005, Zürich, Switzerland
+41 44 552 26 22
careers@embotech.com