

Safety Perception Engineer Intern

Zürich

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 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 2013.

We are looking for an enthusiastic intern eager to contribute to the development of our safety perception software, which enables our systems to safely drive more than 1000 cars a day.

Join our Safety Perception team to play an important role in the development of new cutting-edge solutions for our autonomous driving systems, both for passenger cars in factories and autonomous trucks in yards and ports. Your job will involve developing LiDAR algorithms, as well as testing it in simulation, on Embotech's testing vehicles and at Embotech's production environments.

Join us at Embotech for an exciting internship in a fast-growing company with attractive conditions and flexible hours. You'll be part of a dynamic and international team, working alongside highly skilled colleagues passionate about excellence and efficiency. We're looking for motivated individuals to help us tackle one of the world's most complex challenges and propel our company forward.

Responsibilities

- Develop innovative algorithmic solutions to improve our LiDAR-based perception stack
- Design and implement software using C++
- Develop and work with automated testing tools for system-level verification
- Integrate and test software on test setup (SIL/HIL) and in real-life deployments
- Collaborate with system architects, software and hardware engineers

Requirements

- Pursuing a master's degree in computer science, engineering, or robotics
- Great C++ skills
- Experience with robotics perception algorithms and sensors (LiDAR, computer vision, SLAM)
- Excellent communication skills in English
- Ability to adapt to changing priorities and requirements
- Strong problem-solving and analytical skills
- Ability to work effectively in a team environment

Plus

- Experience from extracurricular engineering projects
- Familiarity with Python and/or Rust
- Experience with version control systems (git)
- Experience with embedded systems development

The duration of the position is limited to **6 months**.
Our preferred starting time for this position is **ASAP**

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