

Systems Software Engineer

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 logistics applications such as trucks at port terminals and finished vehicle logistics in car 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 a software engineer with a system view who is passionate about getting real systems to work reliably at scale.

You will join the Autonomous Terminal Tractor (ATT) Systems team to play a key role in deploying a rapidly growing fleet of autonomous trucks for private grounds, using Embotech's autonomous driving software and hardware components from external suppliers. Your role will involve software development and integration and system testing on test setups and on our vehicles.

Responsibilities

- Prototyping software development and requirements definition.
- Contributing to system definition, configuration and verification through simulation and real-world testing
- Software integration and integration testing using simulation and real vehicles.
- Development of HIL and SIL testing methods and test automation.
- Log data analysis and on-site problem solving.
- Cooperation with software engineers, safety engineers and controls engineers to deliver a well-integrated full autonomous driving stack.
- Travel to customers or own testing areas as required.

Requirements

- MSc in robotics, mechatronics, mechanical or electrical engineering, CS or similar.
- At least 3 years of relevant working experience.
- Experience with real-world robotics deployments.
- Proficient with C/C++ and Python.
- Experience with any of the following is a plus:
 - Robotics algorithms and communication protocols.
 - Mechanical and electrical design.
 - Networking and Linux development.
 - Autonomous driving software.
- Self-driven team player with 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 today and take our company to the next level.

Preferred starting date for this position: ASAP

We look forward to receiving your application documents (CV, cover letters & reference letters) by email: careers@embotech.com

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