Perception Software Internship

Zurich

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 enthusiastic intern eager to contribute to the development of our advanced perception software.

You will join the Perception team to play an important role in deploying a rapidly growing fleet of autonomous trucks for private grounds, using Embotech's autonomous driving software stack and hardware components from external suppliers. Your role will involve developing perception software for automated trucks, as well as testing it in simulation and on Embotech's testing vehicles.

Responsibilities

- Develop perception software for autonomous driving on private grounds.
- Test software on test setup (SIL/HIL) and in real-life using our own test vehicles.
- Analyse log data and solve problems proactively.
- Review pull requests.
- Cooperate with systems engineers, software engineers and controls engineers to deliver a well-integrated full autonomous driving stack.
- Travel to customers or own testing areas as required.

Requirements

- Studies in robotics, electrical or mechanical engineering, cs or similar field.
- Experience with robotics perception algorithms and sensors (LiDAR, camera).
- Great C++ skills, python is a plus.
- Experience from extracurricular engineering projects.
- Self-driven team player with hands-on mentality.
- Fluency in spoken and written English.

We offer an exciting internship 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 the most complex challenges of today and take our company to the next level.

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

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