

Autonomous Driving Perception Internship

Zurich

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 intern who is passionate about creating high-quality perception software.

You will join the Safety & Systems Engineering (SSE) team to 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 and developing perception software and systems for automated trucks, as well as testing it on our own testing vehicles.

Responsibilities

- Develop well-tested and documented perception software for autonomous driving on private grounds.
- Real-life testing of your software on test setup and our own test vehicles.
- Support data pipeline development.
- Log data analysis and on-site problem solving.
- Perform code reviews for other team members.
- 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 perception algorithms.
- Proficiency in C/C++ and Python or similar.
- Experience with one of the following is a plus:
 - Autonomous driving sensors (LiDAR, camera, radar) and calibration.
 - Data science/engineering.
 - Real-life control applications.
- Passionate about autonomous driving, self-driven, team player and a 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 one of 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 **January 2024**