

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 getting real systems to work, to support our systems development in Zurich.

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 systems for autonomous vehicles for automated trucks, as well as testing it on our own testing vehicles.

Responsibilities

- Developing prototypes for dedicated autonomy functions.
- Real-life testing of perception and controls software on test setup and our own test vehicles.
- Log data management and infrastructure development where needed.
- Log data analysis and on-site problem solving.
- Document your code and designs.
- Cooperate with systems engineers, software engineers and controls engineers to deliver a well-integrated full autonomous driving stack.

Requirements

- Studies in robotics, electrical or mechanical engineering, cs or similar field.
- Experience with perception, localization or motion planning and control algorithms.
- Proficiency in C/C++ and Python, Matlab or similar.
- Experience with autonomous driving sensors (LiDAR, camera, radar) is a plus.
- Experience with implementation of control systems in real-life systems is a plus.
- 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 tomorrow 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/February 2023**

We look forward to receiving your complete application documents (resume, cover letter and grades).