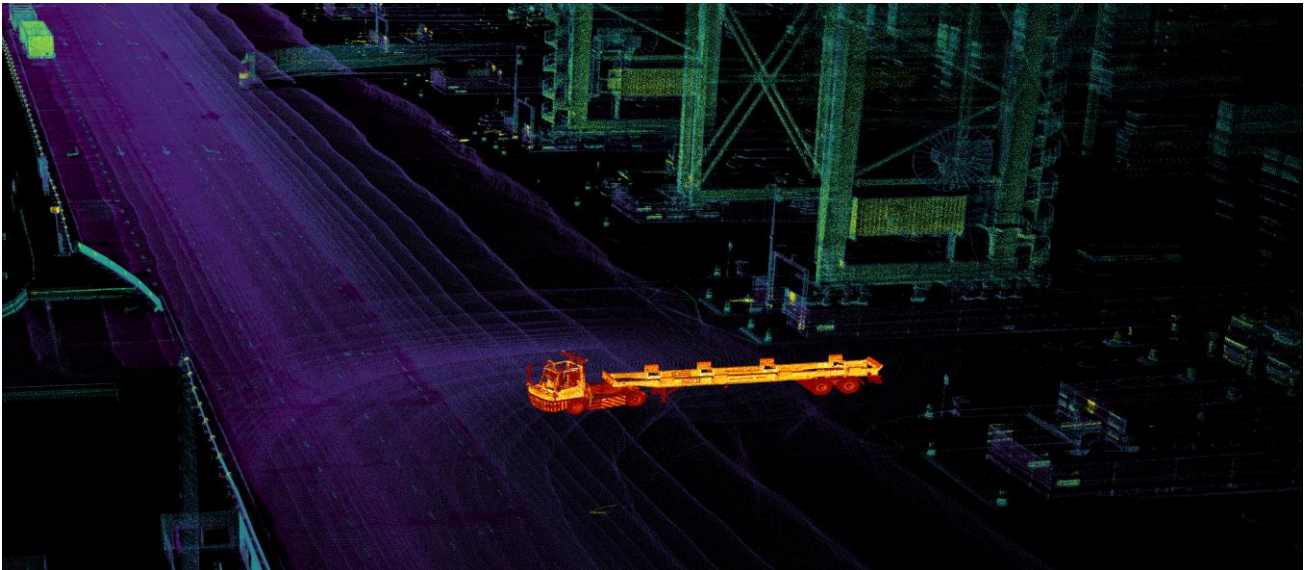


# Autonomous Driving Software Internship

## Zurich, Switzerland



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 2012.

We are looking for an intern who is passionate about getting real complex systems to work.

You will join the Truck Systems team to play an important role in developing algorithms for safe perception software for autonomous driving in mixed traffic on private grounds. Your role will involve software prototyping, development, log data processing, software integration and real-world testing of autonomous driving software.

### Responsibilities

- Rapid prototyping of safety relevant software algorithms for perception.
- Where needed implement tools for test scenario creation using log data.
- Integrate your software and test on our testing vehicles, Hardware-In-the-Loop simulation testing setups.
- Implementation of simulation test cases.
- Eventually develop well-tested and documented software.
- Cooperate with software and system engineers to develop a well-round autonomous driving stack.
- Travel to customers or testing areas as required.

### Requirements

- Studies in robotics, electrical or mechanical engineering, cs or similar field.
- Extracurricular experience with real-world software or system deployments.
- Proficiency in C++ or Rust and Python.
- Experience with any of the following is a plus:
  - Motion planning.
  - Perception.
  - Bayesian inference.
  - Occupancy grid maps.
- Energetic and with a drive to develop exciting software and make robotics move.
- Team player with hands-on mentality.
- Fluency in spoken and written English.

We offer an exciting internship in an exiting 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 **ASAP**.