

Autonomous Driving Systems 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 complex systems to work.

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 development, integration and testing of autonomous driving components and the full-stack autonomous driving system on our testing vehicles.

Responsibilities

- Deploy our software and systems in our testing vehicles at our own and customer's sites.
- Develop well-tested and documented software for autonomous driving on private grounds.
- Sensor calibration.
- Log data analysis and on-site problem solving.
- Install and design hardware for test setups.
- Log data management and data infrastructure development.
- Support software development of the SSE team and the ProDriver teams.
- Travel to customers or testing areas as required.

Requirements

- Studies in robotics, electrical or mechanical engineering or similar field.
- Experience with systems integration.
- Proficiency in C/C++ and Python or similar.
- Experience with one of the following is a plus:
 - Sensor calibration.
 - Robotics algorithms.
 - Embedded control applications.
 - CAN, Flexray, GMSL, etc.
 - Mechanical and electrical design.
- 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/February 2024**

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