

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

### Responsibilities

- Developing prototypes for dedicated autonomy functions.
  - Deploy our software and systems in our testing vehicle at our own and customer's sites.
  - Log data analysis and on-site problem solving.
  - Coordinate hardware installation on the vehicles with our dedicated partners.
  - 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 electrical or mechanical engineering, robotics or similar field.
- Experience with perception, localization or motion planning and control algorithms.
- Proficiency in C/C++ and Python, Matlab or similar.
- Exposure to Embedded control applications or Automotive communication protocols (ie. CAN, Flexray) is a plus.
- Passionate about autonomous driving, self-driven, team player and a hands-on mentality.
- B Driving permit required, C is a plus.
- 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 **March/April 2023**

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

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