

AUTOMOTIVE SOFTWARE (C/C++) INTERNSHIP

Embotech is a software company developing cutting-edge motion planning technology for autonomous vehicles. We are determined to accelerate the transition towards safe autonomous transportation by leveraging the core real-time optimization technology that we have been developing since 2012.

Our team is comprised of highly skilled employees 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.

For the development of our software products in our headquarters in Zurich, we are looking for an intern as a passionate software developer C/C++.

As an intern for automotive motion planning you will join a small team of top technical talent to develop safe, efficient and reliable trajectory generation algorithms for various motion planning scenarios. You will be involved in the simulation and testing of novel algorithmic solutions and software that meet ambitious specifications in terms of control performance, computational performance, and reliability. You will be working on one or more internal and customer projects.

We offer an exciting job 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 young and motivated colleagues.

The duration of the position is limited to 6 months.

Responsibilities

- Develop portable software in C and C++
- Create, extend and maintain external interfaces
- Provide technical support to customers
- Write automated testing tools to improve the behaviour of your software
- Document your code and designs
- Interface to driving simulators
- Coordinate development efforts with other members of the team

Requirements

- Studies in electrical or computer engineering or similar degree
- Experience in object-oriented analysis and design
- Experience in C and C++
- Experience in other languages is a plus (Python, Go, Java, Rust...)
- Experience with Linux and the GNU toolchain is a plus
- Experience with real-time systems is a plus
- Analytical abilities
- Fast familiarization with new tasks, problems and environments
- Good communication skills in English