

# System Engineer Intern for Automated Vehicle Marshalling

Munich, Germany

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 2013.

We are looking for an intern who is passionate about building and optimizing complex systems.

Join our Automated Vehicle Marshalling (AVM) System team to develop and deploy full-stack autonomous driving systems for passenger cars in factories. You'll work with Embotech's core autonomous driving technology and components provided by external suppliers. Your contributions will involve developing, integrating, and testing autonomous driving components and the full-stack system in simulation and on our test vehicles.

Join us at Embotech for an exciting internship in a fast-growing company with attractive conditions and flexible hours. You'll be part of a dynamic and international team, working alongside highly skilled colleagues passionate about excellence and efficiency. We're looking for motivated individuals to help us tackle one of the world's most complex challenges and propel our company forward.

## Responsibilities:

- Develop innovative algorithmic solutions
- Design and implement robust embedded systems
- Develop and work with automated testing tools for system-level verification
- Integrate and test system components in simulation and real-world environments
- Collaborate with system architects, software and hardware engineers

## Requirements:

- Bachelor degree in computer science, engineering, or robotics
- Strong understanding of control theory and system dynamics
- Knowledge of system modelling and analysis techniques
- Familiarity with various programming languages (e.g. Python, C++, or Rust)
- Experience with system-level design, implementation, and testing
- Experience with real-time systems (RTOS) and embedded systems development is beneficial
- Excellent communication skills in English
- Strong problem-solving and analytical skills
- Ability to work effectively in a team environment with a hands-on mentality

We look forward to receiving your application documents (CV, diplomas and reference letter) by email:

[careers@embotech.com](mailto:careers@embotech.com)

Our preferred starting time for this position is **ASAP**  
The duration of the internship is 6 months

Contact:  
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