

# INTERNSHIP FOR EMBEDDED SOFTWARE ENGINEERING

Embotech is a software company developing cutting edge motion planning technology for various industries. We are determined to provide solutions for industrial automation that fully exploit the 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.

As an embedded software engineering intern, you will join a small team of top technical talent and you will contribute towards various internal and external software development projects. You will develop algorithmic solutions for embedded microcontrollers. You will validate your developments in simulation and on the embedded systems. Excitement and learning opportunities are guaranteed in this position.

## Responsibilities

- Develop algorithmic solutions that run on embedded hardware
- Write latency-optimized embedded code adhering to best practices
- Write automated testing tools to evaluate the behaviour of your algorithms and software
- Document your code and designs
- Coordinate development efforts with other team members

## Requirements

- Bachelor degree in electrical engineering, computer science, or similar degree
- Solid hands-on experience in embedded programming, debugging on embedded systems, build toolchains, and real-time systems
- Experience in C
- Familiarity with Python or Matlab/Simulink is a plus
- Familiarity with Linux and the GNU toolchain is a plus
- Familiarity with Model Predictive Control is a plus
- Excellent communication skills in English
- Ability to adapt to rapidly changing tasks and requirements

You will be directly reporting to the Head of Industry Automation. Our preferred starting time for this position is as soon as possible.

We offer an exciting job in a fast-growing company with attractive conditions.

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