INTERNSHIP IN
AUTOMOTIVE ENERGY MANAGEMENT

Embotech is a software company developing cutting edge motion planning technology for autonomous vehicles. We are determined to accelerate the transition towards safe autonomous cars 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.

As an intern for automotive energy management you will join a small team of top technical talent to develop safe, efficient and reliable energy management algorithms for various automotive applications. You will be working on one or more internal and customer projects.

Excitement is guaranteed in this position and the opportunities to shape the final product will be plentiful.

Responsibilities

- Develop algorithmic solutions to unsolved problems
- Write automated testing tools to improve the behaviour of your algorithms and software
- Document your code and designs
- Interface to driving simulators
- Setup hardware-in-the-loop testing environments to validate performance against requirements
- Write latency-optimized safety-critical embedded C code adhering to best practices
- Coordinate development efforts with other members of the team

Requirements

- Pursuing a Master's degree in computer science, electrical or mechanical engineering
- Understanding of control theory and dynamical systems
- Knowledge in vehicle powertrain, optimal control or optimization is a big plus
- Excellent communication skills in English
- Proficiency in Matlab/Simulink and C/C++
- Familiarity with Linux and the GNU toolchain is a plus
- Ability to adapt to rapidly changing tasks and requirements

You will be directly reporting to the project leader. Our preferred starting time for this position is March 2020.

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

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