

OPTIMIZATION SOFTWARE EXPERT

Embotech is a software company developing cutting edge decision-making software for autonomous systems, for use in the automotive, logistics and other industrial sectors. We are determined to drastically improve efficiency, safety and productivity of autonomous systems 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 a numerical optimization software expert, you will join a growing team of top technical talent to further develop our flagship product FORCESPRO. You will be responsible for core algorithmic developments to further improve computation time, memory consumption and robustness. Excitement is guaranteed in this position and the opportunities to shape the final product will be plentiful.

Responsibilities

- Develop state-of-the-art algorithmic and numerical solutions to challenging mathematical optimization problems
- Write latency-optimized, safety-critical embedded C code adhering to best practices
- Exploit multi-core and vectorization capabilities of modern embedded platforms to deliver the world's fastest embedded solvers
- Test and document your code and designs
- Coordinate development efforts with other members of the FORCESPRO development team in an agile manner
- Directly interact with selected customers

Requirements

- Master's or PhD degree in applied mathematics, computational engineering or computer science with outstanding academic results
- Deep understanding of numerical algorithms for optimization and model predictive control
- Extensive coding experience, ideally also within an industrial setting
- Very good knowledge of C/C++; familiarity with C#, Python or Matlab is a big plus
- Experience with embedded hardware platforms such as ARM processors is a plus
- Excellent communication skills in English
- Ability to adapt to rapidly changing tasks and requirements and to think outside the box

Preferred starting date for this position is
July 2022.

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

Contact:
embotech AG
Giessereistrasse 18
CH-8005, Zürich, Switzerland
+41 44 552 26 22
careers@embotech.com