Do you want to join an exciting venture that is shaping the future of autonomous driving? Use your expertise and know-how for solving innovative challenges in autonomous driving and driver assistance within a highly motivated team of experts.

As a Embedded SW Engineer on the emotion3D team, you will be responsible for writing high-performance, well-tested, multi-platform C++ code for Deep Learning models that can leverage platform-specific capabilities. You are fearless when it comes to trying and testing new ideas, reasoning about computer system performance and iterating all the way to high-quality implementations.

Embedded SW Engineer: Deep Learning (m/f/d)
Full time

Your responsibilities:
- Transfer DL models from PC to embedded target platforms (e.g. Jetson TX2)
- Improve overall performance of our DL models' inference
- Benchmark existing deep learning frameworks
- Profile and identify performance bottlenecks in CPU systems
- Design and implement optimized C/C++ code for common deep learning primitives
- Work with the machine learning team to identify and port new model architectures

You should have:
- Minimal Qualifications
    - Good understanding of C++
    - Experience in parallel computing, multithreading, or concurrency
    - Experience with systems-level debugging
- Preferred Qualifications (one or more of the following)
    - Experience with embedded platforms especially ARM CPUs
    - Experience in Machine Learning and/or Computer Vision
    - Experience in Tensorflow Lite and TensorflowRT
    - Experience in accelerator-based computing such as GPUs, DSPs, NPUs
    - Experience in assembly-level programming and compilers
    - Experience with profiling tools, e.g., gprof, google-pprof, lttng, perf
- BS, MS or Phd in Computer Science, Machine Learning or related field
- Goal-driven and analytical, structured and independent approach to work

Our offer:
- A position in a young and motivated team
- An active role in shaping the future of AI-based automotive safety
- Exciting tasks and steep learning curves on challenging industry projects
- Flexible working hours
- A modern office environment in a central location in Vienna
- Regular team activities
- A competitive salary fitting your expertise and qualification (minimum salary €45.000)

You are interested? Please send us your application! We are looking forward to meeting you!

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