

We are shaping the world with sensor solutions!

ams' success, being a world leader in the design and production of high-performance analog ICs and sensor solutions, is driven by our most important asset - our employees. To support our continuing growth, we are looking for people with ideas, people who want to make a difference and are focused on being the best.

The ams Biometrics and Computer Vision group (former KeyLemon team) develops Machine Learning based algorithms applied to several domains such as 3D face recognition for mobile devices. We are looking for an experienced C/C++ developer with expertise in algorithm optimization and smartphone hardware. You have hands-on experience with GPU and DSP programming with a good understanding of TEE development constraints. As part of the development team, you will work with our machine learning software engineers to transfer and port machine learning algorithms on mobile platforms.

Senior C++ Software Engineer (m/f)

Education and experience:

Required:

- Master's degree in computer science (or equivalent)
- Very good C++ and C programming skills
- Good code architecture skills
- 3+ years' experience in algorithm development, profiling and optimization
- Good understanding of mobile platforms (CPU, GPU, DSP, memory, etc.)
- Good knowledge of computer architecture
- Open-minded, fast learner and willingness to learn
- Fluent spoken and written English

Nice-to-have:

- Experience with embedded programming
- Experience with DSP programming (Qualcomm Hexagon)
- Experience with C++14
- Experience with GPU programming (OpenCL or CUDA)
- Familiar with JNI and native programming on Android
- Knowledge of TEE development

Tasks and responsibilities:

- Optimize and port C++ algorithms to mobile platforms
- Design, implement and port algorithms to GPU and DSP
- Port machine learning algorithms from research to production ready implementation
- Profile production code for performance reporting

Workplace: Martigny, Switzerland.

ams offers a great work environment with exciting career paths and trainings, attractive salaries, a profit sharing program, social events and much more.

If you enjoy creativity and innovation, working in teams and an open and friendly corporate culture, please send us your CV and cover letter to career.martigny@ams.com with the following reference: ams-1901-KLWEB

The text 'Step up.' is written in a large, white, sans-serif font. The background of the entire page is a vertical image showing a person in a dark suit walking up a set of stairs. The background is a grid of glowing blue squares, each containing a different microchip or sensor image. The overall theme is technology and progress.