

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 Software and Machine Learning (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 algorithm development. Ideally you would contribute with your ideas to improve our algorithms accuracy and speed. 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
- 3+ years' experience in development
- Good understanding of mobile platforms (CPU, GPU, DSP, memory, etc.)
- Good understanding of algorithms complexity
- Good knowledge of computer architecture
- Open-minded, fast learner and willingness to learn
- Willingness to work on project outside your field of expertise
- Fluent spoken and written English

Nice-to-have:

- Good code architecture skills
- Experience with computer vision and/or machine learning
- Experience with Android development
- Experience with embedded programming
- Experience with DSP programming (Qualcomm Hexagon)

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-2002-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, some of which contain circuit board patterns. The overall color scheme is blue and white.