

AI on Smartphones for machine vision use cases (m/w/d)

Chromasens GmbH, located in Konstanz in the south of Germany, develops and produces image acquisition systems, light sources and line-scan cameras for industrial image processing. Since 2004, Chromasens stands for innovative color line scan cameras with lighting technologies and customized software for numerous possible applications. Chromasens GmbH is part of the TKH Group since 2017, which together with its members has created a technology leader in machine vision for smart solutions.

Computational power and image quality of smartphones is increasing constantly. As of now, such devices can compete with conventional vision systems used in industrial machine vision. Within the domain of machine learning, dedicated processors are available specifically to perform inference of pre-trained networks. This work aims at demonstrating usage of such systems in the context of an industrial machine vision application.

Your tasks:

- Literature review / research state of the art
- Test and evaluate available toolchains and software libraries
- Prototype a framework that fits requirement of industrial context
- Evaluate with a real-world sample application

Your profile:

- Good German or English skills
- Solid programming skills
- Preferably know-how in Android or OIs software development, Python, Open CV
- Interest in hands-on work

We offer:

Joining us for a final thesis allows you to have the chance to get to know Chromasens in depth.

- Clear Career opportunities in a dynamically and growing market
- Familiar corporate structure in a modern company
- Diversified work activities in an international environment
- Flexible organization of working hours, home office ... and a lot more

Did we arouse your interest?

We are happy to receive your informative application with CV, references, relevant experience and current overview of grades.

If you have questions in advance, please contact Mrs. Sylvia Hilbring by phone: +49 7531 876 744 or email: jobs@chromasens.de