WAHTARI

Software Engineer

We are hiring

Are you interested in autonomous developing and finding creative solutions on your own?

Then join our Wahtari team as Software Engineer (m/f/d) and take an active role in shaping the future of our hard- and software platform for machine vision tasks.

You will work in a highly focused, independent and enthusiastic team, where you will get to play your dev skills in an highly motivated environment. Your responsibilities include the whole lifecycle of software products such as design, development, testing, deployment, maintenance and improvement. Also, utilize your expertise to solve scalability issues and to expand Wahtari's product portfolio.

// About this job

Job type:	Student employee / Full-time
Experience level:	Junior, Mid-Level, Senior
Role:	Software Engineer
Industry:	Computer Vision, Embedded Systems, DeepNeural Networks
Remote:	Yes, but occasional office attendance needed

// Your Qualifications

- Good experience with at least one of: Go/C/C++
- Good experience with Git, Linux and Docker
- Solid English skills in both speaking and writing
- Being able to help yourself with the search engine of your choice

// Your Mentality and Motivation

- Ability to work independently but also convince as a team player
- You favor open communication, constant feedback and short decision paths
- You have a "never-stop-learning" attitude and a desire to develop and grow
- Not afraid to ask questions

// What we offer

- You work with a full stack of both Hard- and Software
- Modern tech stack (but not every flashy new thing)
- Opportunity to share your own ideas and actively be part of creating products
- Small team, flat hierarchies, familiar atmosphere

- Motivated, dynamic teammates, who are up for joking around
- Generous annual leave and flexible working hours
- Working from home is possible
- Free snacks, tea, coffee
- Annual company get together

WAHTARI

// About Wahtari

Wahtari is a German company founded in 2019, located in Haar near Munich. Our main focus are embedded computer vision devices powered by AI, especially deep neural networks. With expertise in quality assurance and intelligent traffic management systems we create solutions that are plug & play, easy to use and deployable on-the-edge, yet so powerful that you can run most of the modern AI models. We have a strong emphasis on IT-security and strictly follow the "KISS" credo. We believe in open-source and have published many of our tools on github.com/desertbit.

Our core product is the Wahtari neural Cam, or short *nCam*. As one of the world's most powerful smart cameras, our Wahtari *nCam* is equipped with special VPUs to accelerate AI inference to desktop level performance and could even perform light training. Specials are the industrial housing, integrated lighting, motorized zoom & focus, active heating and much more.

But Hardware is just the beginning. The real magic happens when good Hardware is combined with even better Software. Our main goal was to open our *nCam* so that others can write their own applications on it. This objective is already part of *nCam's* operating system that we call *nOS*. It is a Linux-based operating system focusing to provide a lightweight, secure and failover foundation. It includes the popular container environment Docker to make writing and deploying applications as easy as possible.

The next building brick is called *nGin* (SDK). It is the motor of *nCam* and drives the camera sensors, lenses, controller boards, video encoding/decoding, AI inferencing and more. On-the-edge hardware is always much more resource constrained than big servers in cloud infrastructures. Therefore, *nGin* focuses on squeezing out the maximum performance of all available components. Some examples of this tuning include delegating video encoding/decoding to the iGPU, zero-copy frame buffers, shared memory and utilizing VPUs for AI inference.

Everyone knows that customers only care about the flashy UI in the end. Naturally, our UI frontend is called *nVision* and is mainly written in QML. It is therefore cross-platform compatible (using the Qt stack in the background). The special thing about it is our self-developed bridge so we can use Go in the frontend.

The moral of the story is that we like to do things on our own. With the Wahtari *nCam*, we have managed to create a powerful embedded device and have developed almost the complete Hard- and Software stack around it. If you always wanted to do stuff yourself and not constantly rely on third-party packages to do everything for you, your search has finally ended.

// Up for the challenge? Contact us

If you want to support our vision in a fun, exciting, challenging and dedicated environment, then don't hesitate and apply today.
Send us your CV and a short introduction of yourself to **team@wahtari.io**

For bonus points share your projects with us (github,…).

We're looking forward to read your application in English or German.
Your contact: Sebastian Borchers

WAHTARI