



Internship/Master Thesis – Objects Detection and Behavior Analysis with AI (f/m)

AT RHEINMETALL AIR DEFENCE AG IN ZÜRICH

WHAT WE ARE LOOKING FOR

- Development of AI-based algorithms for object detection and behavior analysis on the basis of video data
- Build up a database for the training of neural networks
- Implementation of the algorithms on a Linux-based single board computer
- Validation of the algorithms and testing with live video data

WHAT QUALIFICATIONS YOU SHOULD HAVE

- Bachelor/Master student in computer science / data science / information engineering or electrical/robotics engineer with very good understanding of algorithm design and/or mathematics/statistics
- Sound practical programming experience with Python and Machine Learning / Computer Vision
- Solid and broad understanding of clustering algorithms and also traditional classification techniques, as well as skills in data wrangling, synthetic data generation or augmentation techniques are a very strong plus
- Ability to solve challenging technical problems independently and to coordinate efficiently in a cross-disciplinary Team
- Very good knowledge of German word and writing
- Prior experience with development on embedded Linux Platforms and/or Single Board Computers (e.g. Raspberry Pi) is a strong plus

JOB INFORMATION

- Ref. no.: **CH00236**
- Working hours: **Full Time**
- Contract type: **Internship**

**APPLY
ONLINE NOW!**

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CONTACT INFORMATION

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- Phone: +41 79 798 71 96

WHO WE ARE

Digitalisation, networking, cyber – the Electronic Solutions division covers the entire chain of effects in the system network: from sensors and the networking of platforms and soldiers to the (partially) automated connection of effectors. This is complemented by solutions for protection in cyberspace. Other fields of activity of this Rheinmetall division include comprehensive training and simulation solutions, to which the company contributes over 40 years of experience. Furthermore, there are operator solutions for aircraft. The division is divided into the following business units: Air Defence & Radar Systems, Integrated Electronic Systems and Technical Publications.

Rheinmetall AG, publicly listed and based in Düsseldorf, Germany, is a powerful, internationally successful corporation. As an integrated technology group, Rheinmetall is a market leader in the areas of environmentally friendly mobility and threat-appropriate security technology. Rheinmetall commands a foremost position as a global first-tier supplier to the automotive industry for modules and systems. Furthermore, Rheinmetall is Europe's foremost supplier of defence and security technology and a longstanding partner of the armed forces.

ABOUT THE COMPANY

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