



FUTURE BOOST

Internship – Autonomous Systems Development / Software Engineer Embedded Linux (f/m)

AT RHEINMETALL AIR DEFENCE AG IN ZÜRICH

WHAT WE ARE LOOKING FOR

Design and implementation of the drone control software on a Linux-based single board computer

Integration of electro-optical sensors

Identification and integration of various open source software libraries according to the requirements of our platform

Conduction of field-tests with our drone prototype

WHAT QUALIFICATIONS YOU SHOULD HAVE

Bachelor/Master student in computer science or electrical/robotics engineer with very good programming skills and understanding of software engineering best practices

Experience with C/C++ programming on Linux, git and the Linux Command Line Interface

Experience with at least one dynamically typed programming language (Python is a strong plus)

Solid conceptual understanding of Inter Process Communication and/or the TCP/IP Stack (Knowledge in Distributed Systems or Server-Side Web Development are a plus)

Ability to solve challenging technical problems independently and to coordinate efficiently in a cross-disciplinary team

Prior experience with development on embedded Linux Platforms, Drone Platforms and/or Single Board Computers (e.g. Raspberry Pi) is a strong plus

Prior experience with build automation / continuous integration is a plus

Very good knowledge of German word and writing

Knowledge or practical experience in the following topics is a plus: Machine Learning / Computational Geometry / Signal Processing / Computer Vision

JOB INFORMATION

Ref. no.: **CH00235**

Working hours: **Full Time**

Contract type: **Internship**

**APPLY
ONLINE NOW!**

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CONTACT INFORMATION

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ABOUT THE COMPANY

www.rheinmetall.com
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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.

TOP EMPLOYER



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