

Internship - Investigation of Forward-Looking Synthetic Aperture Radar (ADAS)

Your tasks

We are looking for an intern (m/f/diverse) in the area of Radar ADAS (Advanced Driver Assistance Systems) from **August 2026** on for at least **6 months** at our location Lindau (Germany).

Your tasks include:

- Supporting in Radar pre-development w.r.t algorithms, signal processing and radar data evaluation
- Literature research on Forward-Looking Synthetic Aperture Radar principles and current state-of-the-art methods
- Setup of simulation environment to model FL-SAR data acquisition and platform motion scenarios
- Implementation of basic SAR signal processing chain (range compression, azimuth processing) adapted for forward-looking geometry
- Investigation and implementation of motion compensation techniques for non-linear trajectories
- Development and evaluation of imaging algorithms specific to FL-SAR (e.g., backprojection, Doppler-based methods)
- Analysis of resolution, ambiguity, and sidelobe behavior under different system configurations
- Optional: Comparison of FL-SAR imaging performance against conventional side-looking SAR approaches

Your profile

You are wondering if you are a good fit for the Internship - Investigation of Forward-Looking Synthetic Aperture Radar (ADAS)? Here are the qualifications we are looking for:

- Student (m/f/diverse) in Electrical Engineering or a similar field of study
- Basic knowledge in Radar and embedded Design
- Good IT skills and experience in MATLAB and/or Python & C/C++
- Basic experience in development of IT projects
- Any experience in the field of Radar, RF and/or antennas is preferable
- Very good english language skills (written and spoken) are absolutely essential for us

In addition to these qualifications we are also looking for certain characteristics and traits:

- Interest in working in an international team
- Soft skills (quick comprehension, analytical thinking, independent work, high level of commitment)

Before you submit your application, there are a few things you should



Job ID
REF10632M

Field of work
Engineering

Location
Lindau (Bodensee)

Contact
Tim Ossenkopp

Legal Entity
**ADC Automotive Distance
Control Systems GmbH**

keep in mind: We need your **current enrollment certificate** and your **latest transcript of records**.

Additionally, we require a confirmation from your university regarding the completion of a mandatory internship in order to process your application.

If you are **not** from an EU country, please also send us your **valid residence permit and your work permit including a supplementary sheet**.

Applications from severely disabled people are welcome.

Our offer

Ready to take your career to the next level? The future of mobility isn't just anyone's job. Make it yours! **Join AUMOVIO. Own What's Next.**

About us

Since its spin-off in September 2025 AUMOVIO continues the business of the former Continental group sector Automotive as an independent company. The technology and electronics company offers a wide-ranging portfolio that makes mobility safe, exciting, connected, and autonomous. This includes sensor solutions, displays, braking and comfort systems as well as comprehensive expertise in software, architecture platforms, and assistance systems for software-defined vehicles. In the fiscal year 2024 the business areas, which now belong to AUMOVIO, generated sales of 19.6 billion Euro. The company is headquartered in Frankfurt, Germany and has about 87.000 employees in more than 100 locations worldwide.