

Driving decarbonization and digitalization. Together.



Internship: Verification of Mixed-Signal Automotive Microcontroller Devices (f/m/div)

Job description

Are you passionate about advancing integrated circuits and ready for new opportunities? Join our international team! As a valuable member of our device verification team, you will contribute to the development of intricate microcontroller systems using state-of-the-art validation methods. Your work will directly contribute to our commitment to creating solutions that improve lives, enhance safety, and promote sustainability. We eagerly anticipate your application and are excited to connect with you soon!

- **Automated testing:** You will set up hardware and software for automated mixed-signal verification measurements
- **Validation methods:** You drive further development of validation software methods in the context of continuous integration
- **Data evaluation:** You will ensure the creation of data evaluation methods based on database tools
- **Technical education:** You will be responsible for the elaboration of a student lab within the scope of university education to teach the basics of product verification
- **Testing methodologies:** You carry out the testing of novel verification methods

Profile

- **Study field:** You are currently pursuing a Diplom or a Master's degree in electrical engineering, information or communication technology or similar
- **Skills:** You possess good programming skills (C/C++, Python, MATLAB etc.)
- **Experience:** You already gained experience in the field of electrical measurements and measurement automation
- **Expertise:** You bring expertise in mixed-signal design or characterization of semiconductor devices
- **Language skills:** You are able to communicate in English fluently

Please attach the following documents to your application:

- CV in English
- Certificate of enrollment at university
- Excerpt of the study regulations for the mandatory internship (if applicable)
- Latest grades transcript (not older than 6 months)

At a glance

Location: **Dresden (Germany)**
Job ID: **HRC0698973**
Start date: **2024-09-01**
Entry level: **0-1 year**
Type: **Full time**
Contract: **Temporary**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0698973**
www.infineon.com/jobs



Contact

Rahel Tews
Recruiter



- High school report

Benefits

- **Dresden:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International Assignments; Different Career Paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions in office jobs; Home Office possibilities; Part-time work possible (also during parental leave); Spots in local kindergarden; On-site social counselling and works doctor; Health promotion programs; Fitness Room; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement ; Performance bonus; Reduced price for public transport, car sharing, charging station for e-cars and e-bikes; Accessibility, access for wheelchairs; Possibility to work remotely from abroad (EU)

Why Us

- [Find out](#) what we are looking for in your CV
- [Find out](#) how the student application process works with us
- [Discover](#) our student website

Driving decarbonization and digitalization. Together.

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

The **Development Center Dresden** was launched in 2019 and is growing successfully. Today, more than **120** top-class experts and young talents from **23** nations are working on research and development of new products and solutions for automotive and power electronics, software, chip design and verification, characterization of complex systems as well as development of products and solutions with artificial intelligence. In the long term, the Development Centre will employ around 250 people. State-of-the-art research and characterization labs facilitate R&D activities for automotive applications, electromobility and AI chips of the next but one generation. The Development Center covers the complete development value chain from product and system definition to qualification.

This is the right place for you, if you want to work in a high-tech environment, master challenges of advanced product development, be part of a multicultural team with great spirit and experience a startup-like culture.

[Click here](#) for more information about working at DC Dresden with interesting employee and management insights and an overview with more Jobs at #DCDresden.

– Automotive (ATV) shapes the future of mobility with microelectronics enabling clean, safe, and smart cars –

The **ATV division** is shaping the future of mobility by enabling clean, safe, and smart cars. Its product and solution offering is powering the decarbonization and digitalization of vehicles. By driving the transition to hybrid and purely electric vehicles, ATV is making a valuable contribution to cleaner roads. ATV is also increasingly digitalizing cockpit, infotainment, comfort, and lighting applications as it takes automated driving to the next stage with higher levels of connectivity, security, and safety.

The ATV portfolio integrates sensors, microcontrollers, high-performance memories for specific applications, power semiconductors based on silicon and silicon carbide, as well as components for human-machine interaction and vehicle connectivity. Infineon is the world leader in automotive semiconductors.



We are on a journey to create the best Infineon for everyone.

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant´s experience and skills.

We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

