Driving decarbonization and digitalization. Together.

Internship: High Speed and RF LAB Validation Engineer in Development Center Villach (f/m/div)

Job description

As a High-Speed and RF LAB Validation Engineer in the Development Center Villach, you will have the chance to work on cutting-edge technologies, gain hands-on experience, and develop your skills in a dynamic, multicultural environment. If you are passionate about technology and eager to learn and develop your skills in a fast-paced, challenging environment, then we want to hear from you. Don't miss out on this incredible opportunity to gain valuable experience and build a successful career in the semiconductor industry. Apply now and join us on an exciting journey of innovation and discovery with Infineon!

We are looking for students with the willingness to work in a challenging environment within a highly motivated international team. This specific job is suitable for students within technical studies in the field of electronic engineering.
We are offering students the possibility to be a **part of the chip design process** by **supporting the validation of new semiconductor solutions**.

In this internship you can:

- Get experience with **Mixed-Signal High Speed**, **RF** and **mmWave** and **Integrated Circuits**
- Get experience with **measurements** related to **High-Speed PLLs** and **Data Communication**: Jitter, Eye Diagram, BERT
- Get experience with **high-end RF/mmWave measurement equipment**
- Exposure to **data processing** for **digital communication** and **radar applications**
- Get hand-on experience in **Validation** and **Debugging**
- **Design of PCBs** for the measurement of products
- Prototype and evaluate new tools and methodologies
- Familiarize yourself with Validation flow: definition of appropriate measurement setup, automation, data post-processing and analysis

Further information:
Type of employment: Temporary / part-time or full-time (Flexible working hours from Monday to Friday between 6 a.m. and 7 p.m.)
Duration: min. 12 months
Bachelor or Master Thesis topics are available if requested.

Profile

At a glance

Location:
Job ID: **HRC0657304**
Start date: **as soon as possible**
Entry level: **0-1 year**
Type: **Full time / Part 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: **HRC0657304**
www.infineon.com/jobs

Contact

Lisa Derhaschnig
Recruiter

You successfully meet the requirements, if you are a motivated and committed **student** from fields of **Electronic Engineer**, **Microelectronics** or similar. You are best equipped for this task if you additionally offer **some** of the following **skills**:

- Strong mathematical background and understanding of **circuit analysis, FFT, algorithms or digital filtering**.
- Proficiency in **Matlab/programming skills**
- Familiar with **measurement instruments: Oscilloscopes, Signal Spectrum Analyzers, Vector Network Analyzers**, etc.
- Basic understanding of **electronic circuits**: Oscillators, PLLs, Transceivers, RF **or** mmWave Blocks, RADAR HW.
- **Interest** and potential experience in **data processing for digital communication** and **radar applications**
- Good **English** skills
- A structured and precise working style

This position is subject to the collective agreement for workers and employees in the electrical and electronics industry (full-time), employment group B for bachelor students, employment group D for master students (https://www.feei.at/wp-content/uploads/2023/05/minimum-salaries-white-collar-workers-2024.pdf).

Please attach the following documents (English) to your application:

- CV
- Motivation letter
- Certificate of matriculation at a university
- Latest Transcript of records (not older than 6 months)
- Highest completed educational certificate (Matura certificate for Bachelor students, Bachelor certificate for Master students)
- Reference letter (optional)

Benefits

- **Villach:** 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; Home office options; Part-time work possible (also during parental leave); Sabbatical; Child care in Villach & Klagenfurt; On-site social counselling and works doctor; Health promotion programs; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement; Performance bonus; Accessibility, access for wheelchairs

Why Us

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 central R&D organization „**Design Enabling and Services**" (DES) provides the design environment to the different Infineon product development teams. With state-of-the-art design methods, building blocks and a wide range of product development services DES supports Infineon's advanced IC development from early high level system models to verified products ready for manufacturing.

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.

Infineon Hub - Connect. Create. Challenge.

The iHub at TU Wien represents an inspiring tech platform, networking area and event location, connecting Infineon Austria with tech experts, science specialists and young professionals.

Check out our upcoming events:
Infineon iHub