

Driving decarbonization and digitalization. Together.



Internship: Test development for Trapped Ion Quantum Computing (f/m/div)

Job description

You are passionate about cutting-edge technology that is revolutionizing computing and want to gain practical experience during an internship in our trapped ion quantum computing team in a DAX40 company? Then apply and make life easier, safer and greener with us! We are looking forward to your application!

- **Experience research:** You will design and produce PCBs (schematics, layout, assembly) for the tests of our trapped ion quantum computing (TIQC) application specific integrated circuits (ASICs) including a casing in 3D CAD software
- **Expand your horizons:** You will learn about circuit design, PCB design, 3D CAD and assembly
- **Being strong together:** You will be part of a research team consisting of industry and academic partners
- **Complex knowledge:** You will gain understanding of trapped ion quantum computer systems

Profile

- **Study field:** You are currently studying Electrical Engineering, Physics or similar
- **Experience:** You have a background in circuit design or PCB design, 3D CAD software as a bonus
- **Interests:** You have a high interest on the scientific research combined with the passion for working in the quantum computing field
- **Way of working:** You are a highly motivated individual striving for in-depth understanding of test development for trapped ion quantum computing; prior knowledge of trapped ions is a plus
- **Personality:** You enjoy networking, working with different professions and have broad communication skills
- **Language skills:** You have fluent English skills, both written and spoken, German language skills are a plus

Please attach the following documents to your application:

- CV in English
- Certificate of enrollment at university

At a glance

Location:

Job ID: **HRC0876393**

Start date: **Sep 01, 2024**

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: **HRC0876393**
www.infineon.com/jobs

Contact

Sophia Dechant
Recruiter



- Latest grades transcript (not older than 6 months)
- High school report

Important information:

- **Working part-time:** The focus is on studies. Therefore, working student is possible during the lecture period with a maximum of 20 hours per week.
- **Proper students (according to the German law) are welcome:** You must be enrolled, and the examination results or modules of your studies must not have been completed yet, so that you can still work in our team for at least 6 months. You must also not be in a semester of leave.
- **You should live close to the site:** It is important for us to work with you on site and to integrate you into the team. You should therefore be able to come to the site regularly.

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.

– **Power & Sensor Systems (PSS) drives leading-edge power management, sensing and data transfer capabilities** – Infineon PSS semiconductors play a vital role in enabling intelligent power management, smart sensitivity as well as fast and reliable data processing in an increasingly digitalized world. Our leading-edge power devices make chargers, adapters, power tools and lighting systems smarter, smaller, lighter and more energy-efficient. Our trusted sensors increase the context sensitivity of “things” and systems such as HMI, and our RF chips power fast and reliable data communication.

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.

