

Driving decarbonization and digitalization. Together.



Working Student: Timing and IR-Drop analysis in Digital Design (f/m/div)

Job description

Are you passionate about running digital simulations and eager to work for a leading technology company? Join our Timing and Power Signoff Team as a working student at Infineon and take responsibility for running simulations, including backannotated timing, and help us develop the cutting-edge technology of tomorrow! We are looking forward to your application!

- **Focus on the future:** You will be responsible for running digital simulations, which will include backannotated timing
- **Experience research:** You will conduct research on existing papers, summarizing and analyzing the benefits for Infineon
- **Expand your horizons:** You will also be working with the Ansys Redhawk tool to analyze voltage drop

Profile

- **Study field:** You are currently pursuing a Master's degree in Electrical Engineering, Physics or similar
- **Interests:** You have a sound understanding of semiconductor physics and ideally first experience in digital circuit design
- **Experience:** You already gained first experience with industrial tools for voltage drop analysis (Redhawk, SC), timing signoff (PrimeTime) would be a plus
- **Skills:** You provide advanced analytical, problem-solving skills and have some knowledge on Standard Cells and ideally have performed a spice simulation already
- **Way of working:** You demonstrate the ability to work independently and collaborate in a fast-paced team environment
- **Language skills:** You have fluent English skills, written and spoken, German is a plus

Please attach the following documents to your application:

- CV in English
- Certificate of enrollment at university
- Latest grades transcript (not older than 6 months)
- High school report

Important information:

At a glance

Location:

Job ID: **HRC0673996**

Start date: **Jun 15, 2024**

Entry level: **0-1 year**

Type: **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: **HRC0673996**
www.infineon.com/jobs

Contact

Rahel Tews

Recruiter



- **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

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

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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 environments (design-systems) to the different product development teams at Infineon. With leading edge design methods, complex building blocks and a wide range of product development services DES enables Infineon's advanced IC development. This means the complete value creation chain from abstract system models down to the fully verified product layout which ensures high quality manufacturing readiness.

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.

