

Driving decarbonization and digitalization. Together.



Intern - Application Engineer

Job description

This opening is part of Infineon's Internship program located in El Segundo, CA. The Internship Program gives you the opportunity to gain enriching and diverse experiences and work side by side with experienced leaders to power your career.

In your new role you will:

- Conduct **performance benchmarking tests** on the existing application and generate reports documenting all the relevant results
- Contribute to proving **new system concepts** through hardware testing
- Study the loss breakdown analysis of **power electronic converters** through experiments and/or simulations

Profile

You are best equipped for this task if you are/have:

- Currently pursuing a master's in **Electrical Engineering** with an **emphasis in power electronics**
- **Taken coursework and/or completed projects relevant to power electronics**
- Experience with designing and testing simple **AC-DC and DC-AC converters**
- Fundamental understanding of **control theory and digital programming**
- Experience with system simulations and **PCB layout tools** is desired
- Working knowledge of **power semiconductor devices and gate drivers**
- Good laboratory, effective presentation and communication skills
- Willingness to learn on the job

Infineon Power & Sensor Systems (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 drive leading-edge power management, sensing and data transfer capabilities –

[Click here](#) for more information about working at PSS with interesting employee and management insights and an overview with more #PSSDreamJobs

At a glance

Location:

Job ID: **HRC0679639**

Start date: **May 20, 2024**

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: **HRC0679639**

www.infineon.com/jobs



Why Us

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.

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.

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Infineon Technologies Americas Corp., is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy, childbirth, or related medical conditions), gender identity, national origin, ancestry, citizenship, age, physical or mental disability, legally protected medical condition, family care status, military or veteran status, marital status, domestic partner status, sexual orientation, or any other basis protected by local, state, or federal laws.

Employment at Infineon is contingent upon proof of your legal right to work in the United States under applicable law, verification of satisfactory references and successful completion of a background check and drug test, and signing all your onboarding documents.

In some instances, if applicable, U.S. export control laws require that Infineon obtain a U.S. government export license prior to releasing technologies to certain persons. This offer is contingent upon Infineon's ability to satisfy these export control laws as related to your employment and anticipated job activities. The decision whether or not to submit and/or pursue an export license to satisfy this contingency, if applicable, shall be at Infineon's sole discretion.

Infineon Technologies takes data privacy and identity theft very seriously. As such, we do not request personally-identifiable information (PII) from applicants over the internet or electronically. Please kindly refrain from disclosing your PII electronically during the application process or to unauthorized websites that may purport to be Infineon or any of our affiliates.

Wage range that the company expects to pay for a qualified candidate:

Minimum of \$32.50 per hour

Maximum of \$38.00 per hour

Hourly rate will depend on the highest level of education completed.

#LI-FM1

