Driving decarbonization and digitalization. Together.

Internship - Application Engineering (Industrial)

Job description

We are offering an internship dealing with the depth of designing high power motor control application especially for electric 2/3 wheelers. In the internship, you will design Matlab Simulation/Hardware/programming firmware for the motor control which will be used for Infineon's automotive power management ICs, sensors, MCU and Power devices. You will gain insights into state-of-the-art for this application and their requirements for hardware/firmware.

In your new role you will:

- Understand **motor control for 2/3 Wheeler market**
- **Develop Matlab Simulation/firmware** for power application to execute on microcontrollers (MCU)
- Contribute to **artificial intelligence demonstration** with Infineon automotive MCU hardware accelerator
- **Build up system prototypes, investigate and help provide solution** for problems within the system
- **Hand-on measurements and reports**

Internship learning outcomes:

- Understand **high power motor control requirements** for electric 2/3 wheelers
- **Opportunity to meet people from all around the world** while developing their skills
- Gain **familiarity with best practice**s in the realms of engineering
- Exposure to **working at Sales and Marketing Environment**
- Learn to **take ownership** and **drive development** within one technical stack.

Profile

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

- Currently studying Computer Science, Electrical Engineering or a related subject
- Have background knowledge in the field of Power Electronics
- Experience **C experience with 32 bit microcontroller** would be a bonus
- Experience **with Assembly/C/C++ with artificial intelligence** is a plus
- Knowledge about **Altium, Matlab/Simulink** is a plus
- A team player with **analytical skills** and **problem-solving skills**

At a glance

Location:	**Singapore (Singapore)**
Job ID:	**HRC0895392**
Start date:	**Mar 03, 2025**
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: **HRC0895392**
www.infineon.com/jobs

Infineon

- Enjoy working in an international team and are eager to learn new things
- Speak Basic English communication, and can read and understand English documents

Benefits

- **Singapore:** Trainingsangebot & strukturierte Entwicklungsplanung; Möglichkeit zur internationalen Entsendung; Verschiedene Karrierepfade: Project Management, Technical Ladder, Management & Individual Contributor; Gestaffelte Arbeitszeit für Normal-Schicht Mitarbeiter; Home office; Teilzeit möglich für Normal-Schicht-Mitarbeiter; Kindergarten am Standort; Medical coverage; Sozialberatung & Betriebsartz; Gesundheits- & Vorsorgeprogramme; Kantine; Versicherungsangebot zu attraktiven Konditionen; Lohnfortzahlung im Krankheitsfall; Pension Benefits; Erfolgsbonus; Shuttle Service für Schicht-Mitarbeiter

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.

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.
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.