

Driving decarbonization and digitalization. Together.



Internship - Technical Marketing

Job description

You are currently studying Electrical/Electronic/Computer Science/Mechatronics Engineering? You are highly motivated and interested in Firmware/Matlab Simulation /Power Electronics/Artificial Intelligence? We are offering an internship or Master Thesis position in our Automotive Sales and Marketing office in Singapore and looking forward to your application! We are offering an internship dealing with the depth of designing battery management system application especially for electric 2/3 wheelers. In the internship, you will design Matlab Simulation/Hardware/programming firmware for the battery management which will be used 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 **battery management system** 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 battery management system** requirements for electric 2/3 wheelers
- Opportunity to **meet people from all around the world** while developing their skills
- **Gain familiarity with best practices** 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 have:

- Are currently studying **Computer Science, Electrical Engineering** or a related subject
- Have background knowledge in the field of **Power Electronics**
- A team player with **analytical skills** and **problem-solving skills**

At a glance

Location:

Job ID: **HRC0863334**

Start date: **Jan 01, 2025**

Entry level: **0-1 year**

Type: **Full time**

Contract: **Temporary**

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Job ID: **HRC0863334**
www.infineon.com/jobs



- 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
- Speak Basic English communication, and can read and understand English documents

Benefits

- **Singapore:** Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Staggered working hours for normal shift employees ; Home office options, certain conditions apply.; Part-time work possible (applicable for normal shift employees); On-site day-care center; Medical coverage; On-site social counselling and works doctor; Health promotion programs; On-site canteen; Private insurance offers; Paid sick leave according to law, personal accident & work injury insurance, long term illness leave; Retirement benefits, re-employment opportunities, employment assistance payment; Performance bonus; Provision of long haul transport for shift and shuttle services for office to defray transport costs

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.

