



Master Thesis: Application Engineering (f/m/div)*

Job description

Are you a Master's Student looking to write your thesis in a fast-paced and innovative company? Do you want to start your career within a highly specialized team of engineers? Then this opportunity was made for you! Join our vibrant and ever-evolving team in Espoo where stimulating opportunities are waiting for you!

During your time with us, you will join our Power & Sensor System division, and together with your team, you will develop your Master Thesis.

During this experience, and based on thesis topic selection, you would be able to:

- Support the **Infinion hardware engineering** specialists to design outstanding system solutions (prototypes) beyond state of the art;
- Work with **international hardware** and **software specialists** and support them with your knowledge and skillset;
- Support the **mindset of bringing the best Infineon products together and creating new systems** concerning future needs and products;
- Contribute to the **analysis and simulation** of power converters;
- Participate in the **development of the solution**: from the first idea to release;
- Develop **hardware and software solutions** e.g.: test hardware like PCB designs and related prototype boards, software and firmware debugging on the real application;
- **Test and evaluate technical parameters to make benchmarking** concerning common solutions;
- Working with **the newest test equipment to validate product and system performance**;
- Prepare **technical documentation** for internal and external peers.

Profile

You are a committed student and want to gain your first practical experience in an internationally successful company. You learn quickly and are very motivated to work independently. Furthermore, you are an outgoing person who enjoys communicating and contacting other people

You are best equipped for this task if you:

- Are a Master's degree student in **Electrical Engineering**, Power Electronics, Computer Science, Industrial engineering, or similar;
- Know how to use **laboratory equipment**, such as **solder iron**, **oscilloscope**, **power supplies** and **electronic load**;

At a glance

Location:

Job ID: **347808**

Start date: **Sep 12, 2022**

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:

Job ID: **347808**
www.infineon.com/jobs

Contact

Sara Sá
Student Attraction Manager



- Are passionate about **Electrical and Mechanical** DIY projects;
- Have experience working with **Excel, PowerPoint, Word, and Outlook**;
- Have good knowledge of **MicroController programming**, simulation of **power electronics circuits**, and **MATLAB**;
- Have **PCB design skills** and **design software** knowledge are a plus;
- Have excellent **English** skills as well as good **communication** and **presentation** skills.

Please attach your **CV in English** so we can get to know you better.

Why Us

Part of your life. Part of tomorrow.

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

– 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.

** The term gender in the sense of the General Equal Treatment Act (GETA) or other national legislation refers to the biological assignment to a gender group. At Infineon we are proud to embrace (gender) diversity, including female, male and diverse.*

