



Master Thesis: MicroController Application Engineering

Job description

Are you a student looking to write your thesis in a future-oriented company? Would you like to experience a dynamic environment, where you can share your ideas with experienced professionals? If you are passionate about high tech and have the skills to improve it – apply now to join the team in Padova!

The thesis topic will be discussed and defined during the interview.

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

- Develop **tooling to enrich the Infineon free toolchain**;
- Create **tooling for analysis and test automation**;
- Study and develop **Applications / Demos based on Infineon Microcontrollers** (AURIX / TRAVEO / PSoC).

Profile

You have good communication skills and a structured and analytical working style. Furthermore, you are curious about Application Engineering related topics and willing to learn and develop your skills while working in an international and multicultural environment.

You are best equipped for this task if you:

- Are a Master's degree student of **Electronic, Automation Engineering, Computer Science** or **Physics** or similar field;
- Have **good programming skills** (embedded programming C/C++ and Python are preferred);
- Have knowledge of **Microcontroller architecture** and **embedded system** in general;
- Basic knowledge of **statistical data analysis**;
- Basic knowledge of **programming** (SW automation systems, web programming, database handling);
- Are fluent in **English** (read/speech/write);

Please send us your **CV in English** so we can get to know you better

Why Us

At a glance

Location:

Job ID: **341115**

Start date: **as soon as possible**

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: **341115**
www.infineon.com/jobs

Contact

Sara Sá

Student Attraction Manager



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.

Automotive Microcontroller: We make cars clean, safe and smart

As a leading automotive microcontroller vendor, the Infineon business line **Automotive Microcontroller** (ATV MC) offers the industry's most comprehensive vehicle microcontroller portfolio and complements it with software. We serve automotive key applications, such as powertrain, advanced driver assist, chassis, body, instrument cluster and infotainment. We also address high-performance dependable computing, real-time domain and zone control, smart sensing and affordable artificial intelligence (AI) applications enabling the next stages of automated driving as well as higher levels of car connectivity, digitalization and security.

Being at the core of this transformation, ATV MC contributes to shape the future of mobility enabling clean, safe and smart cars. So join us to create a better future together.

#AutomotiveMicrocontroller

** 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.*

